DATE 05/28/2019

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000038169

APPLICANT ALEX LOCAY PHONE 352-244-8247

ADDRESS 9200 NW 39TH AVE. STE 190 GAINESVILLE FL 32606

OWNER TIMOTHY CASH PHONE 352-222-5728

ADDRESS 340 SW DELAWARE WAY FORT WHITE FL 32038

CONTRACTOR MARK MASHBURN PHONE 352-244-8247

LOCATION OF PROPERTY 47 S, R 27, L RIVERSIDE AVE, L UTAH, R WASHINGTON, L DELEWARE, .24 MILES ON RIGHT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 73750.00

HEATED FLOOR AREA 1151.00 TOTAL AREA 1475.00 HEIGHT ___ STORIES 1

FOUNDATION PIERS WALLS FRAMED ROOF PITCH ___ FLOOR WOOD

LAND USE & ZONING ESA-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE AE DEVELOPMENT PERMIT NO. 19-002

PARCEL ID 26-6S-15-00766-000 SUBDIVISION THREE RIVERS ESTATES

LOT 21 22 BLOCK ___ PHASE ___ UNIT 10 TOTAL ACRES 1.82

000002815		CRC1330787			
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor	
WAIVER	19-0220	LH	TC	N	
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident	Time SHIP No.

COMMENTS: MINIMUM FLOOR ELEVATION IS 34.3'. NEED ELEVATION CERTIFICATE ON FINISHED CONSTRUCTION INCLUDING MACHINERY BEFORE POWER. NOC ON FILE

Check # or Cash 034840

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power ___ date/app. by Foundation ___ date/app. by Monolithic (footer/Slab) ___ date/app. by

Under slab rough-in plumbing ___ date/app. by Slab ___ date/app. by Sheathing/Nailing ___ date/app. by

Framing ___ date/app. by Insulation ___ date/app. by

Rough-in plumbing above slab and below wood floor ___ date/app. by Electrical rough-in ___ date/app. by

Heat & Air Duet ___ date/app. by Peri. beam (Lintel) ___ date/app. by Pool ___ date/app. by

Permanent power ___ date/app. by C.O. Final ___ date/app. by Culvert ___ date/app. by

Pump pole ___ date/app. by Utility Pole ___ date/app. by M/H tie downs, blocking, electricity and plumbing ___ date/app. by

Reconnection ___ date/app. by RV ___ date/app. by Re-roof ___ date/app. by

BUILDING PERMIT FEE $ 370.00 CERTIFICATION FEE $ 7.38 SURCHARGE FEE $ 7.38

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $ ___

PLAN REVIEW FEE $ 93.00 DP & FLOOD ZONE FEE $ 75.00 CULVERT FEE $ ___ **TOTAL FEE** 602.76

INSPECTORS OFFICE ___ CLERKS OFFICE ___

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE: ALL OTHER APPLICABLE STATE OR FEDERAL PERMITS SHALL BE OBTAINED BEFORE COMMENCEMENT OF THIS PERMITTED DEVELOPMENT.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

☑ One foot Rise Certification ☑ Residential Checklist

Columbia County New Building Permit Application

For Office Use Only Application # 1905-08 Date Received 5-2-19 By LH Permit # 2815/38169

Zoning Official JHH Date 5-8-19 Flood Zone AE Land Use ESA Zoning ESA-2

FEMA Map # 0458C Elevation 33.3' MFE 34.3' River Santa Fe Plans Examiner J.C. Date 5-14-19

Comments Need elevation certificate including machinery before power

☑ NOC ☑ EH ☐ Deed or PA ☑ Site Plan ☐ ~~State Road Info~~ ☑ Well letter ☑ 911 Sheet ☐ Parent Parcel #

☑ Dev Permit # 19-002 ☐ In Floodway ☑ Letter of Auth. from Contractor ☐ F W Comp. letter

☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☑ App Fee Paid ☑ Sub VF Form

Septic Permit No. 19-0220 OR City Water ☐ Fax ☑ Cochran 1724 Cable & w/c

Applicant (Who will sign/pickup the permit) Alex Locay Phone 352-244-8247

Address 9200 NW 39th Ave., Ste 190, Gainesville, FL 32606

Owners Name Timothy Cash Phone 352-222-5728

911 Address 340 SW Delaware Way, Fort White, FL 32038

Contractors Name America's Home Place, Mark Mashburn Phone 352-244-8247

Address 9200 NW 39th Ave., Ste 190, Gainesville, FL 32606

Contractor Email alocay@americashomeplace.com ***Include to get updates on this job.

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address James Zaleski PE 51544 PH: 850-766-7778

Mortgage Lenders Name & Address

Circle the correct power company ☐ FL Power & Light ☑ Clay Elec. ☐ Suwannee Valley Elec. ☐ Duke Energy

Property ID Number 00-00-00-00766-000 Estimated Construction Cost $192,550.00

Subdivision Name Three Rivers Estates Lot 21 & 22 Block ____ Unit 10 Phase ____

Driving Directions from a Major Road Continue to N Marion Ave, Turn L on FL-247S, L onto Sandhill Rd., L onto US-27S, R onto Riverside Ave., L onto Utah Pkway, R onto Washington

Construction of New Single Family Dwelling ____ Commercial OR X Residential

Proposed Use/Occupancy Primary Residence Number of Existing Dwellings on Property 0

Is the Building Fire Sprinkled? ____ If Yes, blueprints included ____ Or Explain ____

Circle Proposed ☐ Culvert Permit or ☑ Culvert Waiver or ☐ D.O.T. Permit or ☐ Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 306' Side 20' Side 40' Rear 53'

Number of Stories 1 Heated Floor Area 1151 Total Floor Area 1475 Acreage 1.821

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.)

Columbia County Building Permit Application

CODE: Florida Building Code 2017 and the 2014 National Electrical Code.

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless pursued in good faith or a permit has been issued.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO CONTRACTOR AND AGENT: ***YOU ARE HEREBY NOTIFIED*** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Timothy Cash _____ _____ ****Property owners must sign here before any permit will be issued.**

Print Owners Name **Owners Signature**

****If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

_____ **Contractor's License Number** CRC1330787

Contractor's Signature **Columbia County Competency Card Number** 1146

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 24th **day of** April **20**19

Personally known ☑ **or Produced Identification** _____

_____ **SEAL:**

State of Florida Notary Signature (For the Contractor)

JESSICA ROBERTS
MY COMMISSION # GG 264279
EXPIRES: October 2, 2022
Bonded Thru Notary Public Underwriters

Columbia County Building Department 38169 **Development Permit**
Flood Development Permit **F 023- 19-002**

DATE 05/28/2019 BUILDING PERMIT NUMBER 000038169

APPLICANT ALEX LOCAY PHONE 352-244-8247

ADDRESS 9200 NW 39TH AVE, STE 190 GAINESVILLE FL 32606

OWNER TIMOTHY CASH PHONE 352-222-5728

ADDRESS 340 SW DELAWARE WAY FORT WHITE FL 32038

CONTRACTOR MARK MASHBURN PHONE 352-244-8247

ADDRESS 9200 NW 39TH AVE, STE 190 GAINESVILLE FL 32606

SUBDIVISION THREE RIVERS ESTATES Lot 21 22 Block ____ Unit 10 Phase ____

TYPE OF DEVELOPMENT SFD, UTILITY PARCEL ID NO. 26-6S-15-00766-000

FLOOD ZONE AE BY LH 2-4-2009 FIRM COMMUNITY # 120070 - PANEL # 0458 -C

FIRM 100 YEAR ELEVATION 33.3' PLAN INCLUDED YES or NO

REQUIRED LOWEST HABITABLE FLOOR ELEVATION 34.3'

IN THE REGULATORY FLOODWAY YES or NO RIVER Santa fe

SURVEYOR / ENGINEER NAME James Zaleski LICENSE NUMBER 51544

✓ ONE FOOT RISE CERTIFICATION INCLUDED

_____ ZERO RISE CERTIFICATION INCLUDED

_____ SRWMD PERMIT NUMBER _____
(INCLUDING THE ONE FOOT RISE CERTIFICATION)

DATE THE FINISHED FLOOR ELEVATION CERTIFICATE WAS PROVIDED _____

INSPECTED DATE _____ BY _____

COMMENTS _____

_____

135 NE Hernando Ave., Suite B-21
Lake City, Florida 32055
Phone: 386-758-1008
Fax: 386-758-2160

COLUMBIA COUNTY FLORIDA

PERMIT EXPIRES ONE YEAR FROM THE DATE OF ISSUANCE

ALL COUNTY WATER, LLC

12718 NW 77th Terrace
Alachua, FL 32615

5-10-2019
To: Columbia County Building Department

Description of well to be installed for customer
Timothy Cash located at 340 Delaware Way, Fort White Florida 32038.

1hp 15gpm submersible pump, 11/4" drop pipe, 35 gallon captive air tank, and back flow prevention device. With SRWMD permit

Sincerely,

Joshua Myers
President

5/10/19
Date

Inst. Number: 201912010825 Book: 1384 Page: 794 Page 1 of 5 Date: 5/9/2019 Time: 4:38 PM
P.DeWitt Cason Clerk of Courts, Columbia County, Florida Doc Deed: 0.00 Doc Mort: 0.00 Int Tax: 0.00

[redacted] Number: 1011812288

This Instrument Prepared By:
Dylan Chase Meyers*

and

After Recording Return To:
1ST SIGNATURE LENDING, LLC
*9800 CROSSPOINT BLVD 4TH FLOOR STE A
INDIANAPOLIS, INDIANA 46256

FL500215

[Space Above This Line For Recording Data]

Permit No.: _____ Tax Folio No.: _____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA

COUNTY OF COLUMBIA

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of Property: 340 SW DELAWARE WAY, FORT WHITE, FLORIDA 32038
PARCEL NUMBER-00766-000

2. General description of improvement: _____

3. Owner information or Lessee information if the Lessee contracted for the improvement:

   a. Name and address: TIMOTHY RUFUS CASH
   6731 SW 45TH AVENUE
   GAINESVILLE, FLORIDA 32608

b. Interest in property: _____

c. Name and address of fee simple title holder (if other than Owner): _____

4. a. Contractor (name and address): AMERICA'S HOME PLACE
9200 NW 39TH AVE, SUITE 190
GAINESVILLE, FLORIDA 32606

b. Contractor's phone number: _____

5. Surety (if applicable, a copy of the payment bond is attached):

a. Name and address: _____

b. Phone Number: _____

c. Amount of bond: _____

6. a. Lender: 1ST SIGNATURE LENDING, LLC
9800 CROSSPOINT BLVD 4TH FLOOR STE A
INDIANAPOLIS, INDIANA 46256

b. Lenders phone number: (317)815-6060

7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7, Florida Statutes:

a. Name and address: _____

b. Phone numbers of designated persons: _____

8. a. In addition to himself, Owner designates _____
of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statues.

b. Phone number of person or entity designated by owner: _____

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

4-30-2019

Signature of Owner/Lessee TIMOTHY Date
RUFUS CASH aka Timothy R. Cash

[Space Below This Line For Acknowledgment]

The foregoing instrument was acknowledged before me this 30 day of April 2019

by TIMOTHY RUFUS CASH

who is personally known to me or who has produced Florida Driver License
(Type of Identification)

as identification.

Signature

Reynolds Jackson Jr
Name of Notary

Notary
Title

GG 269260
Serial Number, if any

(Seal)

Notary Public State of Florida
Reynolds Jackson Jr
My Commission GG 269260
Expires 11/13/2022

EXHIBIT "A"

All that certain land situate in Columbia County, Florida, viz:

Lots 21 and 22, Three Rivers Estates, Unit 10, a subdivision according to the plat thereof recorded in Plat thereof recorded in Plat Book 6, Page 10, of the Public Records of Columbia County, Florida

Commonly Known As: 340 SW Delaware Way, Fort White, FL 32038
Parcel ID: 00766-000

Columbia County, FLA - Building & Zoning Property Map

Printed: Wed May 08 2019 11:28:08 GMT-0400 (Eastern Daylight Time)

Legend

Parcels

Roads
- Roads
- others
- Dirt
- Interstate
- Main
- Other
- Paved
- Private

Addresses

2018 Flood Zones
- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

2018Aerials

FutureLandUseMap
- Mixed Use Development
- Light Industrial
- Industrial
- Highway Interchange
- Commercial
- Residential High Density (< 20 d.u. per acre)
- Residential Medium/High Density (< 14 d.u. per acre)
- Residential Medium Density (< 8 d.u. per acre)
- Residential Moderate Density (< 4 d.u. per acre)
- Residential Low Density (< 2 d.u. per acre)
- Residential Very Low Density (< 1 d.u. per acre)
- Agriculture - 3 (< 1 d.u. per 5 acres)
- Agriculture - 2 (< 1 d.u. per 10 acres)
- Agriculture - 1 (< 1 d.u. per 20 acres)
- Environmentally Sensitive Areas (< 1 d.u. per 10 acres)
- Public
- Recreation
- Conservation

Addressing:2018 Base Flood Elevations Group

2018 Base Flood Elevations
- DEFAULT
- Base Flood Elevations

2018 Base Flood Elevation Zones
- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

Parcel Information

Parcel No: 00-00-00-00766-000

Owner: CASH TIMOTHY

Subdivision: THREE RIVERS ESTATES UNIT 10

Lot:

Acres: 1.82118654

Deed Acres: 1.82 Ac

District: District 2 Rocky Ford

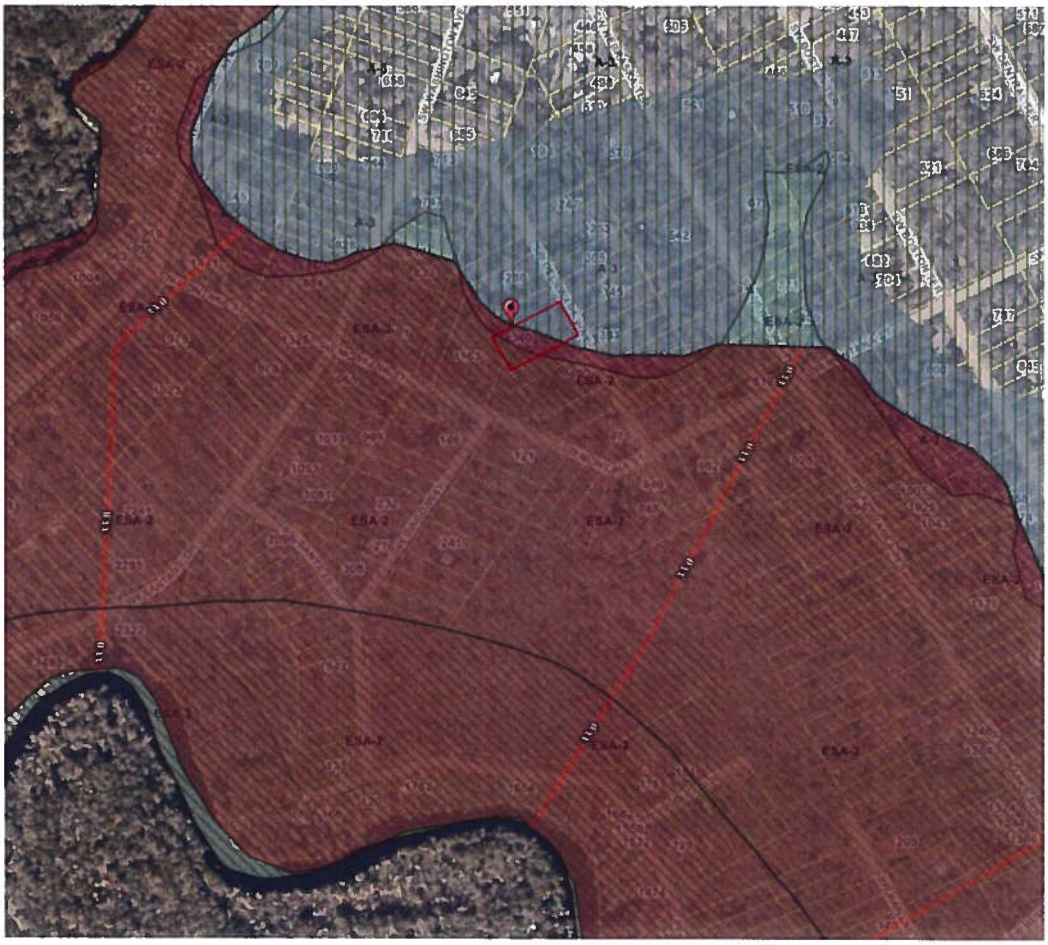
Future Land Uses: Agriculture - 3, Environmentally Sensitive Areas -1

Flood Zones: AE, 0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Official Zoning Atlas: A-3, ESA-2

Columbia County, FLA - Building & Zoning Property Map

Printed: Wed May 08 2019 11:25:04 GMT-0400 (Eastern Daylight Time)



Legend

Parcels

Roads
- Roads
- others
- Dirt
- Interstate
- Main
- Other
- Paved
- Private

Addresses

DevZones1
- others
- A-1
- A-2
- A-3
- CG
- CHI
- CI
- CN
- CSV
- ESA-2
- I
- ILW
- MUD-I
- PRD
- PRRD
- RMF-1
- RMF-2
- RO
- RR
- RSF-1
- RSF-2
- RSF-3
- RSF/MH-1
- RSF/MH-2
- RSF/MH-3
- DEFAULT

2018 Flood Zones
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Deed Acres: 1.82 Ac

District: District 2 Rocky Ford

Future Land Uses: Agriculture - 3, Environmentally Sensitive Areas -1

Flood Zones: AE, 0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Official Zoning Atlas: A-3, ESA-2

Columbia County Property Appraiser
Jeff Hampton

2018 Tax Roll Year
updated: 2/8/2019

Parcel: << **00-00-00-00766-000** >>

Owner & Property Info

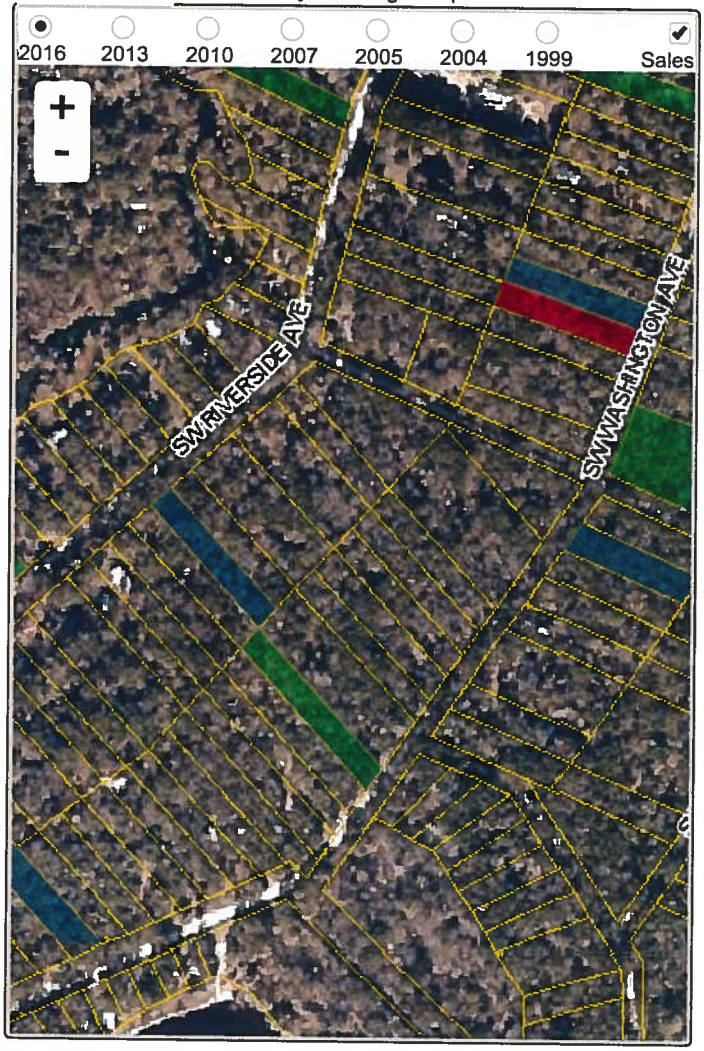
Result: 2 of 3

Owner	CASH TIMOTHY 6731 SW 45TH AVE GAINESVILLE, FL 32608		
Site	, Fort White		
Description*	LOTS 21 & 22 UNIT 10 THREE RIVERS ESTATES. DC 1356-1891, WD 1356-1892,		
Area	1.821 AC	S/T/R	26-6S-15
Use Code**	VACANT (000000)	Tax District	3

*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.
**The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Aerial Viewer | Pictometery | Google Maps

2016 | 2013 | 2010 | 2007 | 2005 | 2004 | 1999 | Sales



Property & Assessment Values

2018 Certified Values		2019 Working Values	
Mkt Land (1)	$10,800	Mkt Land (1)	$10,800
Ag Land (0)	$0	Ag Land (0)	$0
Building (0)	$0	Building (0)	$0
XFOB (0)	$0	XFOB (0)	$0
Just	$10,800	Just	$10,800
Class	$0	Class	$0
Appraised	$10,800	Appraised	$10,800
SOH Cap [?]	$0	SOH Cap [?]	$0
Assessed	$10,800	Assessed	$10,800
Exempt	$0	Exempt	$0
Total Taxable	county:$10,800 city:$10,800 other:$10,800 school:$10,800	Total Taxable	county:$10,800 city:$10,800 other:$10,800 school:$10,800

Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
3/24/2018	$11,500	1356/1892	WD	V	Q	01

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
NONE						

Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	2.000 LT - (1.821 AC)	1.00/1.00 0.90/1.00	$5,400	$10,800

Search Result: 2 of 3

by: GrizzlyLogic.com

JAMES ZALESKI P.E. 51544

1 FT RISE CERTIFICATION

OWNER -	Timothy Cash
CONTRACTOR –	AMERICAS HOMEPLACE
STRUCTURES IN SFHA FLOOD ZONE AE –	A 38 x 41 SINGLE FAMILY HOME WITH LOWEST EXISTING ELEVATION OF 30.00
ELEVATION OF 100 YEAR FLOOD -	33.3 FT NAVD 88
COMMUNITY PANEL -	12023C0458C
WIDTH OF FLOOD PLAIN -	APPROX 1000 FT

AREA OF PROPOSED OBSTRUCTION

41 FT X (33.3-30)= 135.3 SF

100 YR FLOOD LEVEL INCREASE

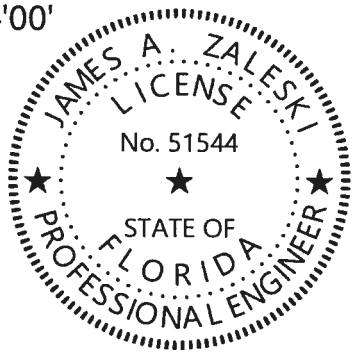
135.3 SF/ 1000 FT = 0.135 FT

I hereby certify that construction of the proposed structure listed above will increase the 100yr flood elevation less than 1 ft. Ground elevations and building dimensions were obtained from a survey supplied by the client. The 100 yr flood elevation and the floodplain width were obtained from the Suwannee River Water Management District Flood Report

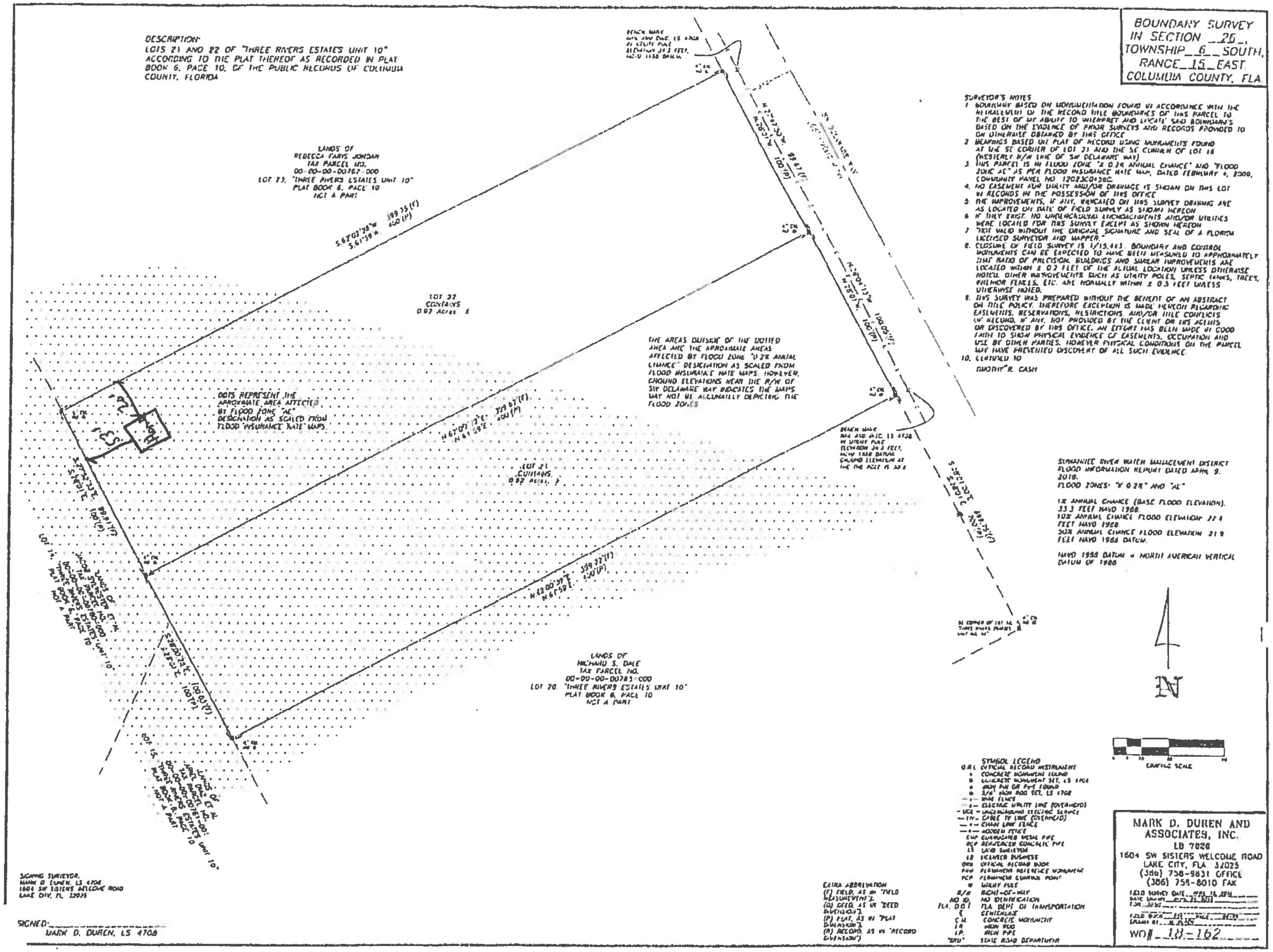
JAMES ZALESKI

Digitally signed by JAMES ZALESKI
Date: 2019.05.13 12:11:39 -04'00'

James Zaleski PE 51544



2305 HAVERHILL RD TALLAHASSEE, FL 32312 PH 850-766-7778



BOUNDARY SURVEY
IN SECTION _26_,
TOWNSHIP__6__SOUTH,
RANCE_15_EAST
COLUMBIA COUNTY, FLA
DESCRIPTION:
LOTS 21 AND 22 OF "THREE RIVERS ESTATES UNIT 10" ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 6, PAGE 10, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA
LANDS OF
REBECCA FARYS JORDAN
TAX PARCEL NO.
00-00-00-00767-000
LOT 23, "THREE RIVERS ESTATES UNIT 10"
PLAT BOOK 6, PAGE 10
NOT A PART
S.67°03'28"W 399.75 (F)
S.61°59' W 400 (P)
LOT 22
CONTAINS
0.92 Acres ±
LOT 21
CONTAINS
0.92 Acres ±
DOTS REPRESENT THE APPROXIMATE AREA AFFECTED BY FLOOD ZONE "AE" DESIGNATION AS SCALED FROM FLOOD INSURANCE RATE MAPS.
THE AREAS OUTSIDE OF THE DOTTED AREA ARE THE APPROXIMATE AREAS AFFECTED BY FLOOD ZONE "0.2% ANNUAL CHANCE" DESIGNATION AS SCALED FROM FLOOD INSURANCE RATE MAPS. HOWEVER, GROUND ELEVATIONS NEAR THE R/W OF SW DELAWARE WAY INDICATES THE MAPS MAY NOT BE ACCURATELY DEPICTING THE FLOOD ZONES.
LANDS OF
RICHARD S. DALE
TAX PARCEL NO.
00-00-00-00783-000
LOT 20, "THREE RIVERS ESTATES UNIT 10"
PLAT BOOK 6, PAGE 10
NOT A PART
SURVEYOR'S NOTES
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE REESTABLISHMENT OF THE RECORD TITLE BOUNDARIES OF THIS PARCEL TO THE BEST OF MY ABILITY TO INTERPRET AND LOCATE SAID BOUNDARIES BASED ON THE EVIDENCE OF PRIOR SURVEYS AND RECORDS PROVIDED TO OR OTHERWISE OBTAINED BY THIS OFFICE
2. BEARINGS BASED ON PLAT OF RECORD USING MONUMENTS FOUND AT THE SE CORNER OF LOT 21 AND THE SE CORNER OF LOT 18 (WESTERLY R/W LINE OF SW DELAWARE WAY)
3. THIS PARCEL IS IN FLOOD ZONE "X 0.2% ANNUAL CHANCE" AND "FLOOD ZONE AE" AS PER FLOOD INSURANCE RATE MAP, DATED FEBRUARY 4, 2009, COMMUNITY PANEL NO. 12023C0430C
4. NO EASEMENT FOR UTILITY AND/OR DRAINAGE IS SHOWN ON THIS LOT IN RECORDS IN THE POSSESSION OF THIS OFFICE
5. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON
6. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON
7. "NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
8. CLOSURE OF FIELD SURVEY IS 1/15,443. BOUNDARY AND CONTROL MONUMENTS CAN BE EXPECTED TO HAVE BEEN MEASURED TO APPROXIMATELY THAT RATIO OF PRECISION. BUILDINGS AND SIMILAR IMPROVEMENTS ARE LOCATED WITHIN ± 0.2 FEET OF THE ACTUAL LOCATION UNLESS OTHERWISE NOTED. OTHER IMPROVEMENTS SUCH AS UTILITY POLES, SEPTIC TANKS, TREES, PERIMETER FENCES, ETC. ARE NORMALLY WITHIN ± 0.5 FEET UNLESS OTHERWISE NOTED.
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE EXCEPTION IS MADE HEREON REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, AND/OR TITLE CONFLICTS OF RECORD, IF ANY, NOT PROVIDED BY THE CLIENT OR HIS AGENTS OR DISCOVERED BY THIS OFFICE. AN EFFORT HAS BEEN MADE IN GOOD FAITH TO SHOW PHYSICAL EVIDENCE OF EASEMENTS, OCCUPATION AND USE BY OTHER PARTIES. HOWEVER PHYSICAL CONDITIONS ON THE PARCEL MAY HAVE PREVENTED DISCOVERY OF ALL SUCH EVIDENCE.
10. CERTIFIED TO
TIMOTHY R. CASH
SUWANNEE RIVER WATER MANAGEMENT DISTRICT FLOOD INFORMATION REPORT DATED APRIL 9, 2018.
FLOOD ZONES: "X 0.2%" AND "AE"
1% ANNUAL CHANCE (BASE FLOOD ELEVATION), 33.3 FEET NAVD 1988.
10% ANNUAL CHANCE FLOOD ELEVATION 27.8 FEET NAVD 1988.
50% ANNUAL CHANCE FLOOD ELEVATION 21.9 FEET NAVD 1988 DATUM.
NAVD 1988 DATUM = NORTH AMERICAN VERTICAL DATUM OF 1988
N
GRAPHIC SCALE
SYMBOL LEGEND
EXTRA ABBREVIATION
(F) FIELD, AS IN "FIELD MEASUREMENT"
(D) DEED, AS IN "DEED DIMENSION"
(P) PLAT, AS IN "PLAT DIMENSION"
(R) RECORD, AS IN "RECORD DIMENSION"
MARK D. DUREN AND
ASSOCIATES, INC.
LB 7020
1604 SW SISTERS WELCOME ROAD
LAKE CITY, FLA 32025
(386) 758-9831 OFFICE
(386) 758-8010 FAX
WO# 18-162
SIGNING SURVEYOR:
MARK D. DUREN, LS 4708
1604 SW SISTERS WELCOME ROAD
LAKE CITY, FL 32025
SIGNED:
MARK D. DUREN, LS 4708

550 0799 015/17

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 19-0290
DATE PAID: 3/18/19
FEE PAID: 425.00
RECEIPT #: 1403854

APPLICATION FOR:

[✓] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: Timothy Cash

AGENT: America's Home Place **TELEPHONE:** 352-244-3247

MAILING ADDRESS: 9200 NW 39th Ave, Ste 190, Gainesville, FL 32606

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: 21+22 ~~**BLOCK:**~~ Unit **:** 10 **SUBDIVISION:** Three Rivers Estates **PLATTED:** _____

PROPERTY ID #: 00-00-00-007160-000 **ZONING:** _____ **I/M OR EQUIVALENT:** [Y / N]

PROPERTY SIZE: 1.821 **ACRES** **WATER SUPPLY:** [✓] **PRIVATE** **PUBLIC** [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / N] **DISTANCE TO SEWER:** _____ **FT**

PROPERTY ADDRESS: 911 Address being applied for 340 SW Delaware Way

DIRECTIONS TO PROPERTY: Head W on NE Franklin St toward NE Calhoun Ave. Take FL-247 S and Sand Hill Rd to SW Riverside Ave. Turn L on Montana Rd and Run Washington

BUILDING INFORMATION [ ] **RESIDENTIAL** [ ] **COMMERCIAL**

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	New Single Family Dwelling	2	1475	
2				
3				
4				

[ ] **Floor/Equipment Drains** [ ] **Other (Specify)** _____

SIGNATURE: _____ **DATE:** 3/14/19

DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

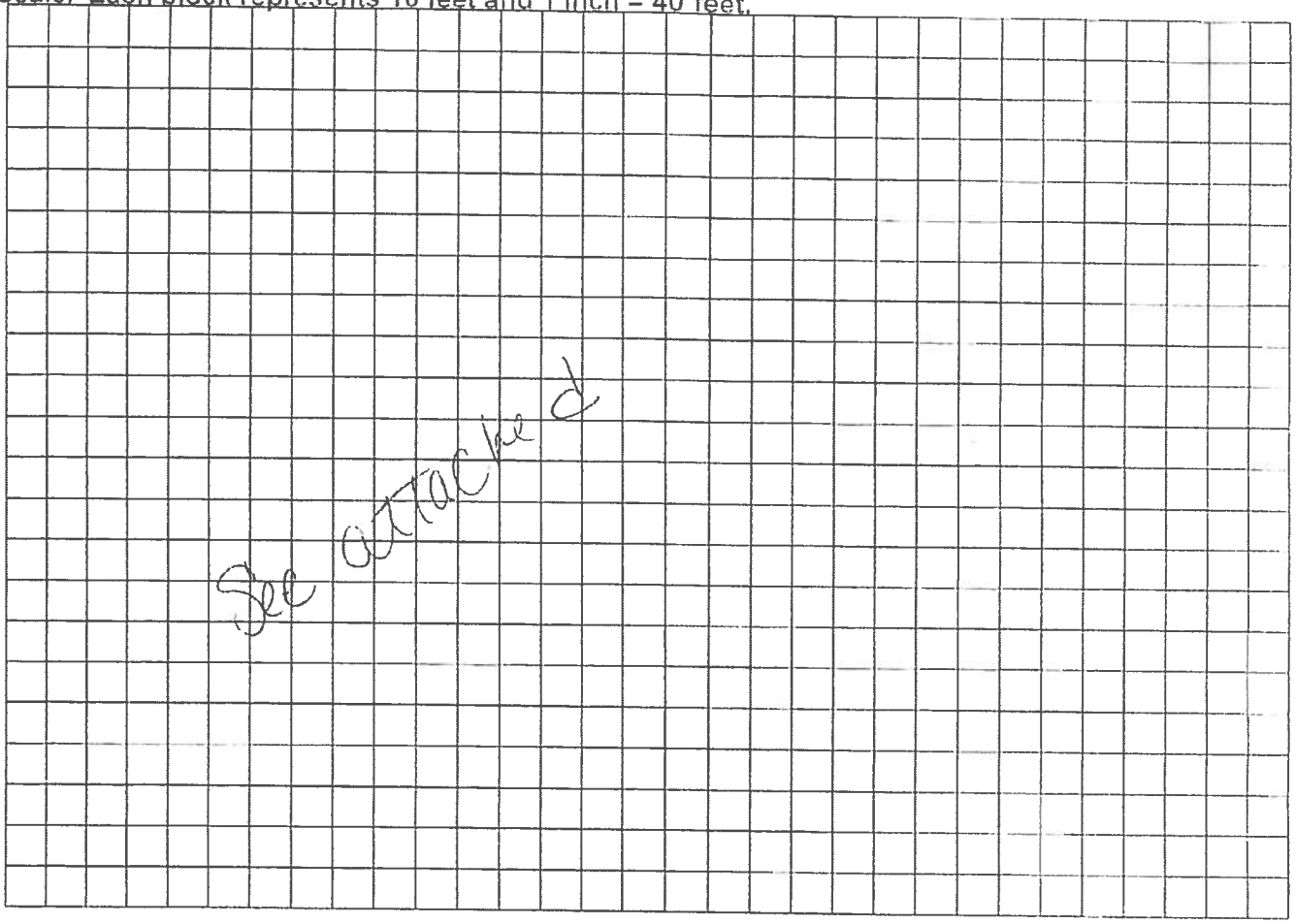
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-0220

Cash

PART II - SITEPLAN

Scale: Each block represents 10 feet and 1 inch = 40 feet.



Notes: _____

Site Plan submitted by: Alex Lorenz 3/19/19

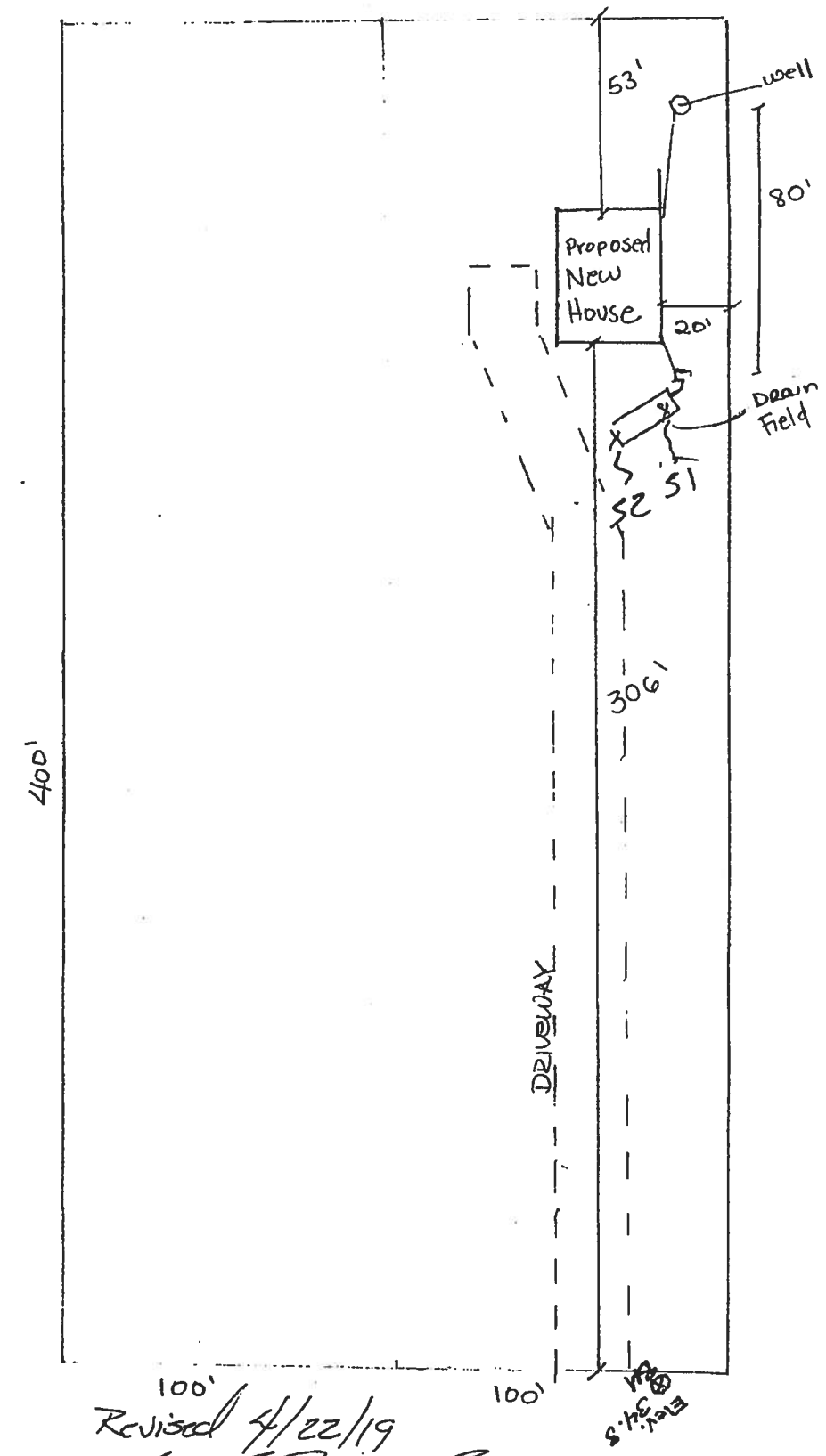
Plan Approved X Not Approved _____ Date 4/26/19

By _____ ESH Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)

N



Revised 4/22/19

Parcel 00-00-00-00760-000

1/4 = 10'

Timothy Cash

District No. 1 - Ronald Williams
District No. 2 - Rocky Ford
District No. 3 - Bucky Nash
District No. 4 - Toby Witt
District No. 5 - Tim Murphy

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Address Assignment and Maintenance Document

To maintain the county wide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for addressing and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Services Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County

Date/Time Issued:	3/19/2019 2:11:42 PM
Address:	340 SW DELAWARE Way
City:	FORT WHITE
State:	FL
Zip Code	32038
Parcel ID	00766-000

REMARKS: Address for proposed structure on parcel.

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION AND ACCESS INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION AND/OR ACCESS INFORMATION BE FOUND TO BE IN ERROR OR CHANGED, THIS ADDRESS IS SUBJECT TO CHANGE.

Address Issued By: **Signed:/ Matt Crews**

Columbia County GIS/911 Addressing Coordinator

COLUMBIA COUNTY
911 ADDRESSING / GIS DEPARTMENT
263 NW Lake City Ave., Lake City, FL 32055 Telephone: (386) 758-1125
Email: gis@columbiacountyfla.com

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1905-08 JOB NAME Cash

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

NOTE: *It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.*

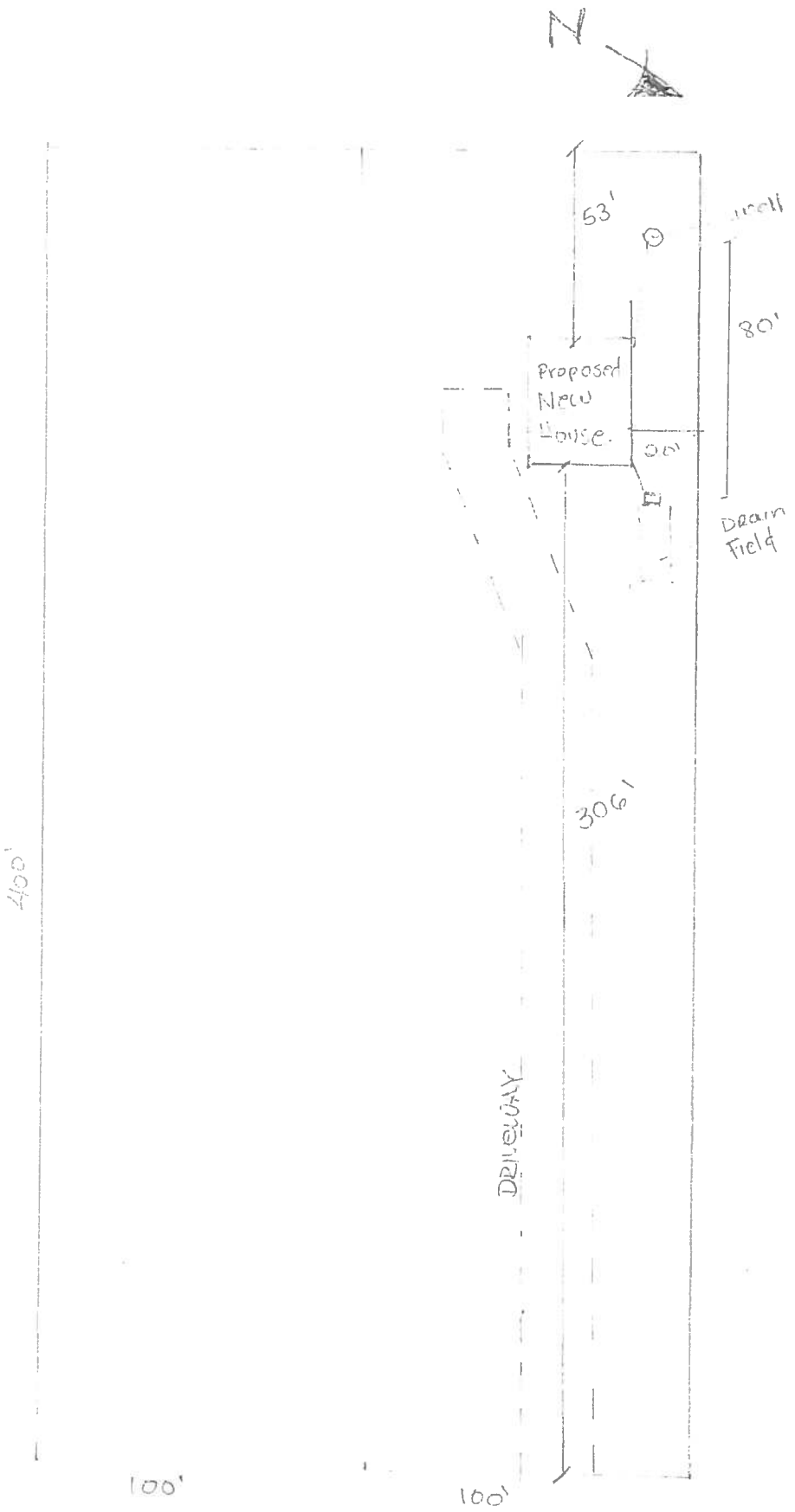
Use website to confirm licenses: http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx

NOTE: If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

Violations will result in stop work orders and/or fines

			Need
ELECTRICAL ☑	Print Name Joseph H. Strada, Jr	Signature	Lic
	Company Name Strada Electric		Liab
CC# 001112	License #: EC13003715	Phone #: 877.906.1113	W/C
			EX
			DE
MECHANICAL/ A/C ☑	Print Name Billy Slaughter, Jr	Signature	Need
	Company Name: Waller Heating and A/C Company		Lic
CC# 001358	License # CAC058168	Phone #: 229-244-1200	Liab
			W/C
			EX
			DE
PLUMBING/ GAS ☐	Print Name Ronald Cochran	Signature	Need
	Company Name: Cochran Plumbing Services		Lic
CC# 001724	License #: CFC1429154	Phone # 386-688-3881	Liab
			W/C
			EX
			DE
ROOFING ☑	Print Name Lewis G. Walker	Signature	Need
	Company Name Lewis Walker Roofing		Lic
CC# 001174	License #: RC0067442	Phone #: 866.959.7663	Liab
			W/C
			EX
			DE
SHEET METAL ☐	Print Name	Signature	Need
	Company Name:		Lic
CC#	License #	Phone #:	Liab
			W/C
			EX
			DE
FIRE SYSTEM/ SPRINKLER ☐	Print Name	Signature	Need
	Company Name		Lic
CC#	License#:	Phone #	Liab
			W/C
			EX
			DE
SOLAR ☐	Print Name	Signature	Need
	Company Name:		Lic
CC#	License #	Phone #:	Liab
			W/C
			EX
			DE
STATE SPECIALTY ☐	Print Name	Signature	Need
	Company Name		Lic
CC#	License #	Phone #	✓ Liab
			W/C
			EX
			DE

Ref: F.S. 440.103; ORD. 2016-30



Parcel 00-00-00-00-00-000

1/4 = 10'

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

Not Requested

OMB No. 1660-0008
Expiration Date: November 30, 2018

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1–9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A – PROPERTY INFORMATION

		FOR INSURANCE COMPANY USE
A1. Building Owner's Name TIMOTHY CASH		Policy Number:
A2. Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 340 SW DELAWARE WAY		Company NAIC Number:
City FT. WHITE	State Florida	ZIP Code 32038

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
TAX PARCEL NO. 00-00-00-00766-000

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL

A5. Latitude/Longitude: Lat. N.29D56'24.9"+/- Long. W.82D47'03.4"+/- Horizontal Datum: ☐ NAD 1927 ☒ NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number 1B

A8. For a building with a crawlspace or enclosure(s):

a) Square footage of crawlspace or enclosure(s) _____ sq ft

b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____

c) Total net area of flood openings in A8.b _____ sq in

d) Engineered flood openings? ☐ Yes ☐ No

A9. For a building with an attached garage:

a) Square footage of attached garage _____ sq ft

b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____

c) Total net area of flood openings in A9.b _____ sq in

d) Engineered flood openings? ☐ Yes ☐ No

SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
COLUMBIA COUNTY, FL 120070	COLUMBIA	Florida

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/ Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth)
12023C0458	C	02/04/2009	02/04/2009	AE	33.3

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other/Source: _____

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No
Designation Date: _____ ☐ CBRS ☐ OPA

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.

FOR INSURANCE COMPANY USE

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
340 SW DELAWARE WAY

Policy Number:

City: FT. WHITE | State: Florida | ZIP Code: 32038

Company NAIC Number

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☒ Construction Drawings* ☐ Building Under Construction* ☐ Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: LOCAL Vertical Datum: NAVD 1988

Indicate elevation datum used for the elevations in items a) through h) below.

☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source:

Datum used for building elevations must be the same as that used for the BFE.

		Check the measurement used.
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	34.3	☒ feet ☐ meters
b) Top of the next higher floor		☒ feet ☐ meters
c) Bottom of the lowest horizontal structural member (V Zones only)		☒ feet ☐ meters
d) Attached garage (top of slab)		☒ feet ☐ meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	34.3	☒ feet ☐ meters
f) Lowest adjacent (finished) grade next to building (LAG)	33.3	☒ feet ☐ meters
g) Highest adjacent (finished) grade next to building (HAG)	33.3	☒ feet ☐ meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support		☒ feet ☐ meters

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. *I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.*

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No ☒ Check here if attachments.

Certifier's Name: MARK D. DUREN | License Number: LS4708

Title: FLORIDA LICENSED SURVEYOR AND MAPPER

Company Name: MARK D. DUREN AND ASSOCIATES, INC.

Address: 1604 SW SISTERS WELCOME ROAD

City: LAKE CITY | State: Florida | ZIP Code: 32025

Place Seal Here

Signature | Date: 04/29/2019 | Telephone: (386) 758-9831

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)

PROPOSED DWELLING IN FLOOD ZONE "AE". CONSTRUCTION BENCH MARK WAS SET IN A 24" MAGNOLIA TREE 25'+/- SOUTH OF THE PROPOSED BUILDING SITE AS SHOWN TO US BY THE PROPERTY OWNER. THE BENCH MARK ELEVATION IS 34.5 FEET, NAVD 1988 DATUM. THE ELEVATION IS 1.2' ABOVE THE BFE OF 33.3'. THE FLOOD INSURANCE RATE MAPS ONLY SHOW A PORTION OF THE PARCEL IN FLOOD ZONE "AE", HOWEVER FIELD ELEVATIONS INDICATE THE ENTIRE PARCEL IS BELOW THE BFE. THE PROPOSED BUILDING SITE FALLS IN THE AREA SHOWN ON THE FIRM AS BEING IN FLOOD ZONE "AE". NO STRUCTURE IS UNDER CONSTRUCTION AT THIS TIME AND I DO NOT HAVE COPIES OF THE CONSTRUCTION DRAWINGS. NO PICTURES WERE TAKEN. LAT AND LON WERE TAKEN FROM "GOOGLE EARTH".

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.

FOR INSURANCE COMPANY USE

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
SW DELAWARE WAY

Policy Number:

City	State	ZIP Code
FT. WHITE	Florida	32038

Company NAIC Number

SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B,and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).

a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.

E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ . _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E3. Attached garage (top of slab) is _____ . _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is _____ . _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name

Address	City	State	ZIP Code

Signature	Date	Telephone

Comments

☐ Check here if attachments.

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. SW DELAWARE WAY			Policy Number:
City FT. WHITE	State Florida	ZIP Code 32038	Company NAIC Number

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-Issued or community-issued BFE) or Zone AO.

G3. ☐ The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate of Compliance/Occupancy Issued

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____.____ ☐ feet ☐ meters Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____.____ ☐ feet ☐ meters Datum _____

G10. Community's design flood elevation: _____.____ ☐ feet ☐ meters Datum _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date

Comments (including type of equipment and location, per C2(e), if applicable)

☐ Check here if attachments.

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. SW DELAWARE WAY			Policy Number:
City FT. WHITE	State Florida	ZIP Code 32038	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

Photo One

Photo One

Photo One Caption NO PICTURE

Photo Two

Photo Two

Photo Two Caption NO PICTURE

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS
Continuation Page

OMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. SW DELAWARE WAY			Policy Number:
City FT. WHITE	State Florida	ZIP Code 32038	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

Photo One

Photo One

Photo One Caption NO PICTURE

Photo Two

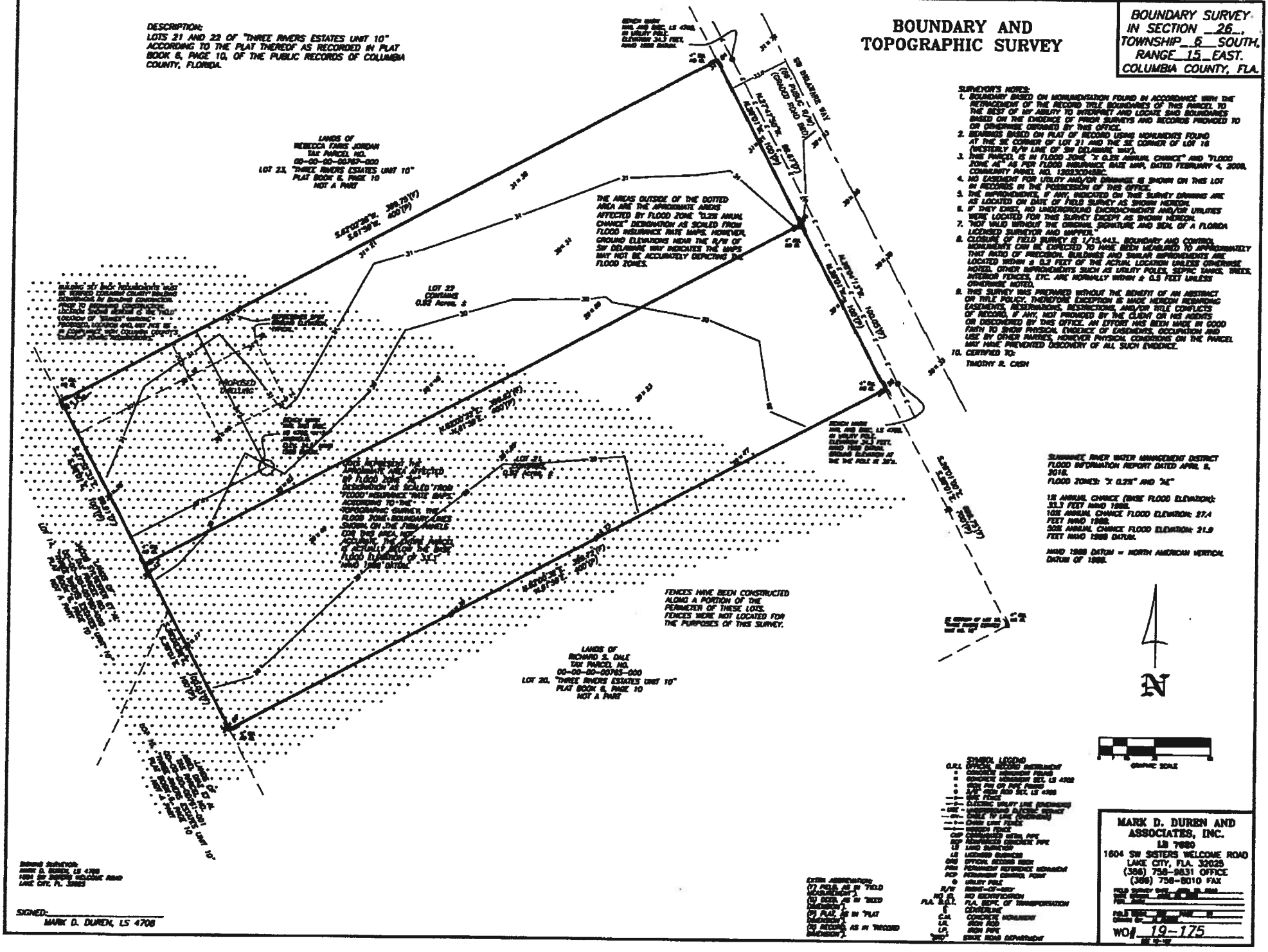
Photo Two

Photo Two Caption NO PICTURE

BOUNDARY AND TOPOGRAPHIC SURVEY

BOUNDARY SURVEY IN SECTION 26, TOWNSHIP 6 SOUTH, RANGE 15 EAST. COLUMBIA COUNTY, FLA.

DESCRIPTION:
LOTS 21 AND 22 OF "THREE RIVERS ESTATES UNIT 10" ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 6, PAGE 10, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.



SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE RECORD TITLE BOUNDARIES OF THIS PARCEL TO THE BEST OF MY ABILITY TO INTERPRET AND LOCATE SAID BOUNDARIES BASED ON THE EVIDENCE OF PRIOR SURVEYS AND RECORDS PROVIDED TO OR OTHERWISE OBTAINED BY THIS OFFICE.
2. BEARINGS BASED ON PLAT OF RECORD USING MONUMENTS FOUND AT THE SE CORNER OF LOT 21 AND THE SE CORNER OF LOT 16 (WESTERLY R/W LINE OF SW DELAMAR WAY).
3. THIS PARCEL IS IN FLOOD ZONE "X (0.2% ANNUAL CHANCE" AND "FLOOD ZONE AE" AS PER FLOOD INSURANCE RATE MAP, DATED FEBRUARY 4, 2009, COMMUNITY PANEL NO. 12023C0465E.
4. NO EASEMENT FOR UTILITY AND/OR DRAINAGE IS SHOWN ON THIS LOT IN ADDRESS IN THE POSSESSION OF THIS OFFICE.
5. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
6. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
7. "NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
8. CLOSURE OF FIELD SURVEY IS 1/15,443. BOUNDARY AND CONTROL MONUMENTS CAN BE CORRECTED TO WHAT HAVE BEEN HELD/USED TO APPROXIMATELY THAT RATIO OF PRECISION. BUILDINGS AND SIMILAR IMPROVEMENTS ARE LOCATED WITHIN ± 0.3 FEET OF THE ACTUAL LOCATION UNLESS OTHERWISE NOTED. OTHER IMPROVEMENTS SUCH AS UTILITY POLES, SEPTIC TANKS, TREES, INTERIOR FENCES, ETC. ARE NORMALLY WITHIN ± 0.5 FEET UNLESS OTHERWISE NOTED.
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE EXCEPTION IS MADE HEREON REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, AND/OR TITLE CONFLICTS OF RECORD, IF ANY, NOT PROVIDED BY THE CLIENT OR HIS AGENTS OR DISCOVERED BY THIS OFFICE. AN EFFORT HAS BEEN MADE IN GOOD FAITH TO SHOW PHYSICAL EVIDENCE OF EASEMENTS, OCCUPATION AND USE BY OTHER PARTIES, HOWEVER PHYSICAL CONDITIONS ON THE PARCEL MAY HAVE PREVENTED DISCOVERY OF ALL SUCH EVIDENCE.
10. CERTIFIED TO:
TIMOTHY R. CASH

SUWANNEE RIVER WATER MANAGEMENT DISTRICT FLOOD INFORMATION REPORT DATED APRIL 8, 2016.
FLOOD ZONES: "X 0.2%" AND "AE"

1% ANNUAL CHANCE (BASE FLOOD ELEVATION): 33.3 FEET NAVD 1988.
10% ANNUAL CHANCE FLOOD ELEVATION: 27.4 FEET NAVD 1988.
50% ANNUAL CHANCE FLOOD ELEVATION: 21.9 FEET NAVD 1988 DATUM.

NAVD 1988 DATUM = NORTH AMERICAN VERTICAL DATUM OF 1988.

GRAPHIC SCALE

SYMBOL LEGEND

MARK D. DUREN AND ASSOCIATES, INC.
LB 7680
1604 SW SISTERS WELCOME ROAD
LAKE CITY, FLA. 32025
(386) 758-9831 OFFICE
(386) 758-8010 FAX

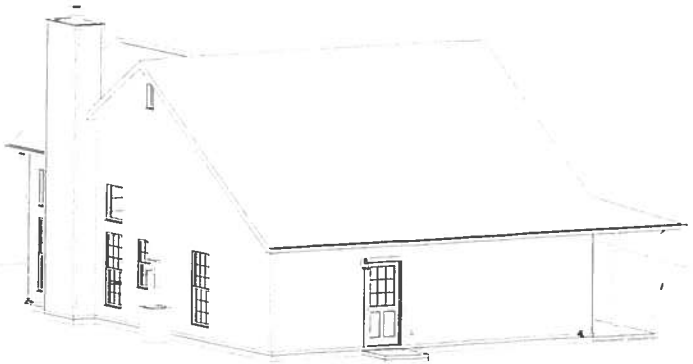
WO# 19-175

SIGNED:
MARK D. DUREN, LS 4708

SHEET LIST- CONSTRUCTION	
SHEET NUMBER	SHEET NAME
C 0	COVER SHEET
E-1	FRONT & REAR ELEVATIONS
E 2	LEFT & RIGHT ELEVATION
F-1	FOUNDATION
F 2	FIRST FLOOR PLAN
H-1	FIRST FLOOR ELEC & HVAC
S-1	DETAILS & SECTIONS

FLORIDA BUILDING CODE 2017 6TH EDITION

1 FRONT 3D CP



2 REAR 3D CP

REVIEWED FOR COMPLIANCE SEE WIND LOAD DETAILS

JAMES ZALESKI PE 51544 2305 HAVERHILL RD TALLAHASSEE FL 32312 PH 850-766-7778

GENERAL NOTES

- MIN 9'-1 1/8" CEILING HEIGHT ON FIRST FLOOR
- ALL LOAD BEARING WALLS & EXT. OPENINGS TO HAVE (2) 2X10 HEADERS UNLESS OTHERWISE NOTED
- STANDARD FIRST FLOOR WINDOW HEADERS TO BE FRAMED DOWN 2'-2" FROM T.O.P. EXCEPT AS NOTED
- 7/16" O.S.B. AND HOUSEWRAP REQUIRED
- DIMENSIONS ARE TO SHEATHING EXTERIOR. SUBTRACT 1/2" FROM DIMENSIONS FOR EXTERIOR WINDOW AND DOOR FRAMING LOCATION IF OPENINGS ARE FRAMED BEFORE SHEATHING INSTALLATION
- ALL INTERIOR DOORS ARE EITHER CENTERED ON WALLS OR R.O. STARTED MIN OF 4" FROM ADJOINING WALL UNLESS OTHERWISE DIMENSIONED
- NUMBER OF STAIR TREADS & RISERS MAY VARY AS A RESULT OF LOCAL BUILDING CODES, STANDARDS AND FINAL GRADE
- CLOSET SHELF HEIGHT OFF FLOOR
  SINGLE-68"
  DOUBLE 42" & 84"
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- FRAMER TO INSTALL DRYWALL CLIPS IN LIEU OF DEADWOOD ON ALL WALLS
- PORCH, STOOP, & DECK HANDRAILS NOT INCLUDED W/ SLAB FOUNDATION
- RAILINGS ARE A FORCED OPTION WHEN PORCH IS OVER 30" HIGH

FOUNDATION NOTES

- TYPICAL FOUNDATION WALL: 2'-8" X 8" BLOCK ON TOP OF 16" X 8" DEEP POURED CONCRETE FOOTING
- ADD SINGLE FLOOR JOIST UNDER PARALLEL WALLS ABOVE AS SHOWN
- ADD LIGHT AND SWITCH UNDER FLOOR NEAR ACCESS
- CRAWL SPACE VENT & ACCESS DIMENSIONS ARE APPROXIMATE. VENTS & ACCESSES SHOULD BE LOCATED WITHIN CONCRETE BLOCKS, DO NOT LOCATE UNDER BEAMS OR ANY OTHER STRUCTURAL LOCATIONS
- VENTS SHOULD BE INSTALL PER LOCAL CODE
- ALL GIRDER BREAKS MUST BE ON PIERS OR POSTS

3-9-19

OPT. PAPER SIZE: for 1/4" =1'-0" on 24"x36" PAPER SIZE ENLARGE PRINTS TO 200%

FINAL CONSTRUCTION PLANS

Revision Schedule		
Revision Number	Revision Description	Revision Date

AREAS:		
FIRST FLOOR HEATED	1,151 SF	
COVERED PORCH	323 SF	
TOTAL UNDER ROOF	1,475 SF	
PATIO	16 SF	

THIS: UNION

FOR: TIMOTHY CASH

COLUMBIA, FL.

OFFICE: GAINESVILLE, FL

SOLD BY: ST

JOB# 59-19-001

2x4 EXTERIOR WALLS UNLESS OTHERWISE NOTED

FOUNDATION TYPE: MONOSLAB

DRAWN BY: DRAFTER

CHECKED BY: CHECKER

PRINT DATE: 03/2019 9:25:42 AM

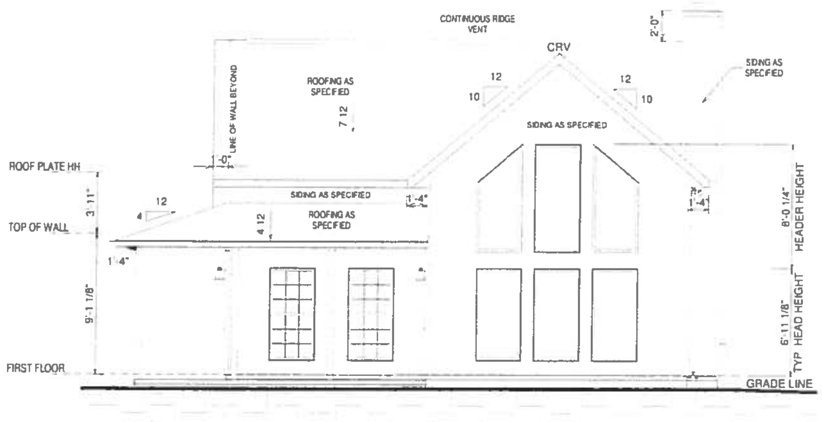
S:\AHP JOBS\Doug Higgins 120-121 145-59 04-43 66-73 53-125-59 Gainesville FL\59 Cash Union Monoslab R-53 Cash Union Monoslab.pln

PROPERTY OF:

SHEET NUMBER: C-0

COVER SHEET

PAPER SIZE 11" x 17" SCALE 1/8" = 1'-0"



1 FRONT ELEVATION
1/8" = 1'-0"

GENERAL NOTES

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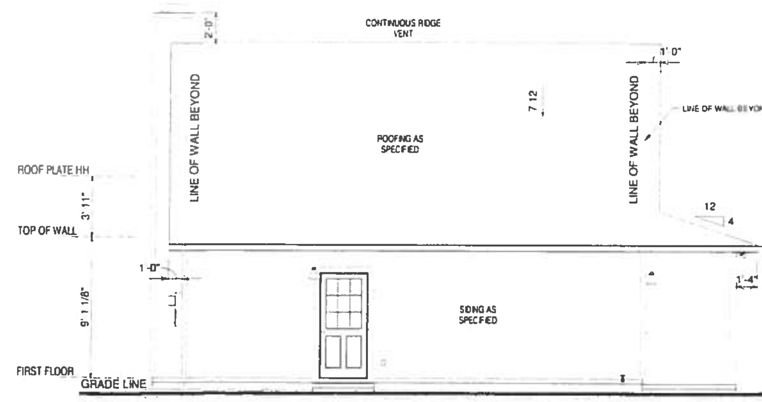
SPECIAL NOTES

- 3 PANEL INTERIOR DOOR STYLE
- EXTERIOR PREMIUM SIDING COLOR
- TONGUE AND GROVE PINE CEILING (STAINED & SEALED)

REVIEWED FOR COMPLIANCE SEE WIND LOAD DETAILS

JAMES ZALESKI PE 51544 2305 HAVERHILL RD TALLAHASSEE, FL 32312 PH 850-766-7778



2 REAR ELEVATION
1/8" = 1'-0"

OPT. PAPER SIZE: for 1/4" =1'-0" on 24"x36" PAPER SIZE ENLARGE PRINTS TO 200%

FINAL CONSTRUCTION PLANS

PAPER SIZE 11" x 17" SCALE 1/8" = 1'-0"

Revision Number	Revision Description	Revision Date

Revision Schedule

AREAS:	
FIRST FLOOR HEATED	1,151 SF
COVERED PORCH	323 SF
TOTAL UNDER ROOF	1,475 SF
PATIO	16 SF

THE: UNION

FOR: TIMOTHY CASH

COLUMBIA, FL.

OFFICE: GAINESVILLE, FL. SOLD BY: ST

JOB# 59-19-001

2x4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

FOUNDATION TYPE: MONOSLAB

DRAWN BY: DRAFTER
CHECKED BY: CHECKER
PRINT DATE: 3/5/2019 9:25:46 AM

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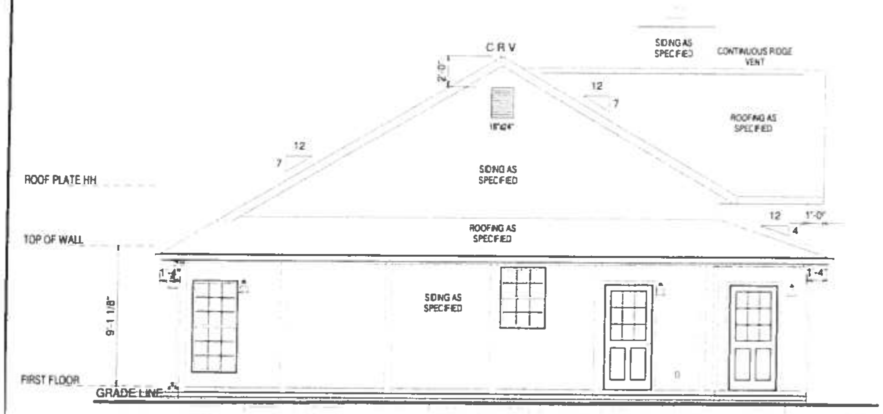
PROPERTY OF:

SHEET NUMBER: E-1

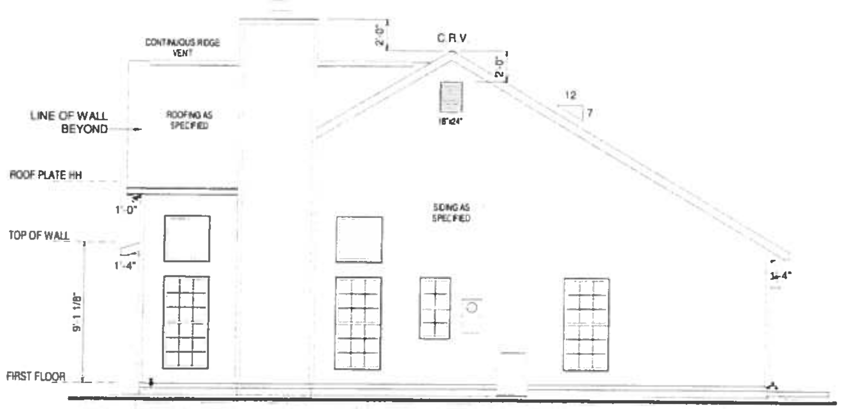
FRONT & REAR ELEVATIONS



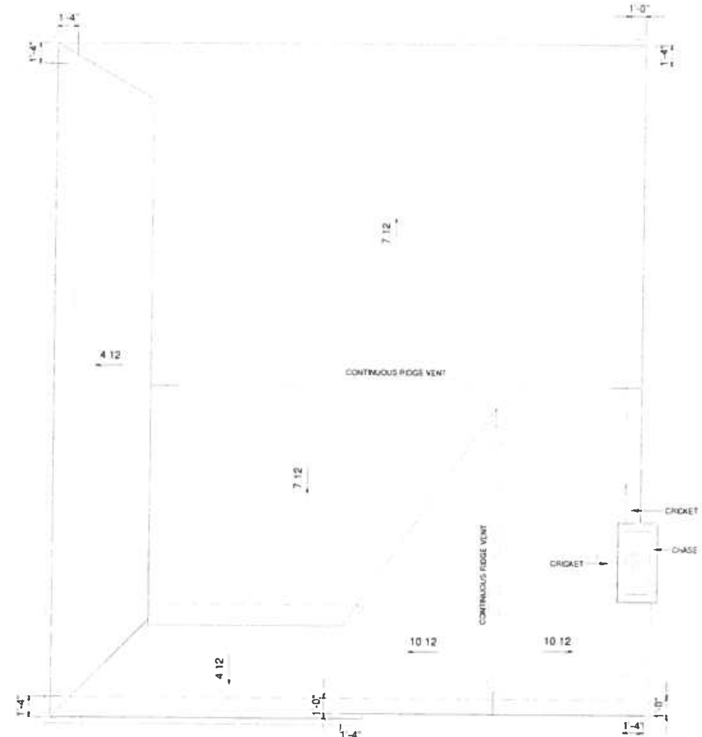
1 LEFT ELEVATION
1/8" = 1'-0"

REVIEWED FOR COMPLIANCE SEE WIND LOAD DETAILS

JAMES ZALESKI PE 51544 2305 HAVERHILL RD TALLAHASSEE, FL 32312 PH 850-766-7778



2 RIGHT ELEVATION
1/8" = 1'-0"



3 ROOF OVERVIEW
1/8" = 1'-0"

GENERAL NOTES

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- ALL LOAD BEARING WALLS & EXT. OPENINGS TO HAVE (2) 2X10 HEADERS UNLESS OTHERWISE NOTED
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SPECIAL NOTES

- 3 PANEL INTERIOR DOOR STYLE
- EXTERIOR PREMIUM SIDING COLOR
- TONGUE AND GROVE PINE CEILING (STAINED & SEALED)

OPT. PAPER SIZE: for 1/4" =1'-0" on 24"x36" PAPER SIZE ENLARGE PRINTS TO 200%

FINAL CONSTRUCTION PLANS

PAPER SIZE 11" x 17" SCALE: 1/8" = 1'-0"

Revision Number	Revision Description	Revision Date

AREAS:

FIRST FLOOR HEATED	1 151 SF
COVERED PORCH	323 SF
TOTAL UNDER ROOF	1 475 SF
PATIO	16 SF

THE: UNION

FOR: TIMOTHY CASH

COLUMBIA, FL.

OFFICE: GAINESVILLE, FL.

SOLD BY: ST

JOB#: 59-19-001

2x4 EXTERIOR WALLS UNLESS OTHERWISE NOTED

FOUNDATION TYPE: MONOSLAB

DRAWN BY: DRAFTER

CHECKED BY: CHECKER

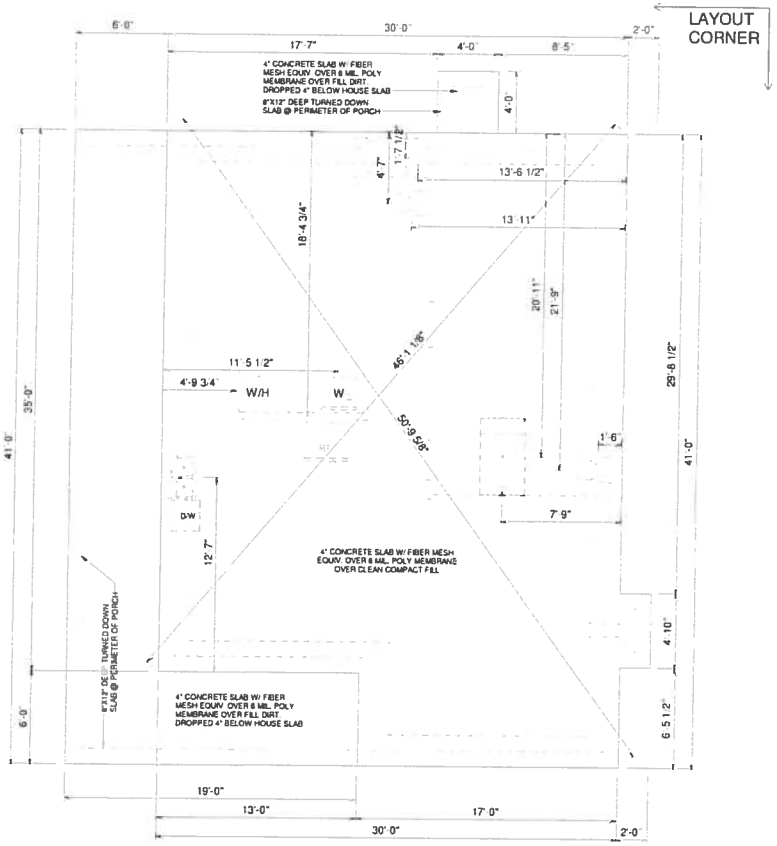
PRINT DATE: 3/5/2019 9:25:52 AM

S:\AHP JOBS\Doug Higgins 120-121-145-59-04-43-66-73-53 125\59 Gainesville FL\59 Cash Union Monoslab FL\59-Cash Union Monoslab.rvt

PROPERTY OF:

SHEET NUMBER: E-2

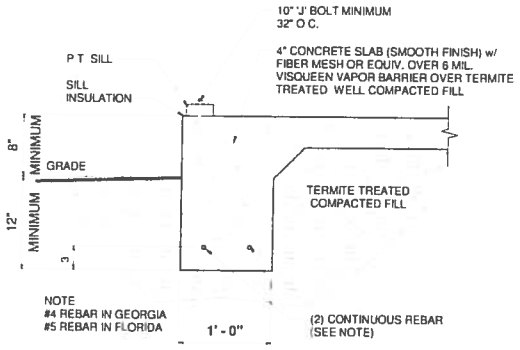
LEFT & RIGHT ELEVATION



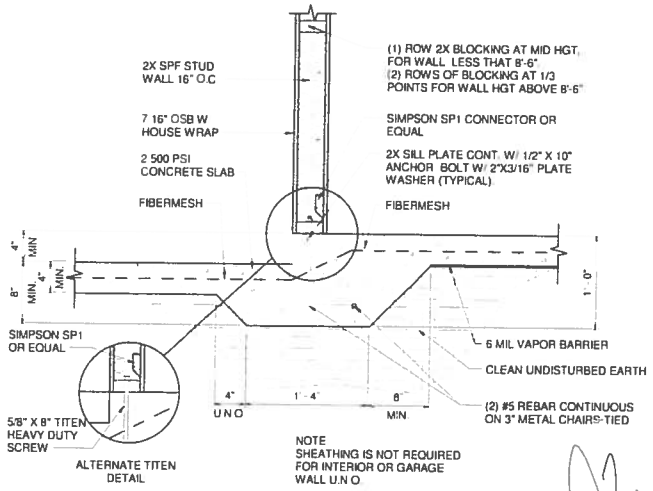
REVIEWED FOR COMPLIANCE SEE WIND LOAD DETAILS

JAMES ZALESKI PE 51544 2305 HAVERHILL RD TALLAHASSEE, FL 32312 PH 850-766-7778

1 Foundation Plan
1/8" = 1'-0"



2 66.1-1 STORY MONOSLAB DETAIL
3/4" = 1'-0"



3 43.12-BEARING WALL AT STEP
3/4" = 1'-0"

OPT. PAPER SIZE for 1/4" = 1'-0" on 24"x36" PAPER SIZE ENLARGE PRINTS TO 200%

FINAL CONSTRUCTION PLANS

Revision Schedule

Revision Number	Revision Description	Revision Date

AREAS:

FIRST FLOOR HEATED	1,151 SF
COVERED PORCH	323 SF
TOTAL UNDER ROOF	1,475 SF
PATIO	16 SF

THE: UNION

FOR: TIMOTHY CASH

COLUMBIA, FL.

OFFICE: GAINESVILLE, FL. SOLD BY: ST

JOB# 59-19-001

2x4 EXTERIOR WALLS UNLESS OTHERWISE NOTED

FOUNDATION TYPE: MONOSLAB

DRAWN BY: DRAFTER

CHECKED BY: CHECKER

PRINT DATE: 03/5/2019 9:25:56 AM

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PROPERTY OF: AMERICA'S HOME PLACE

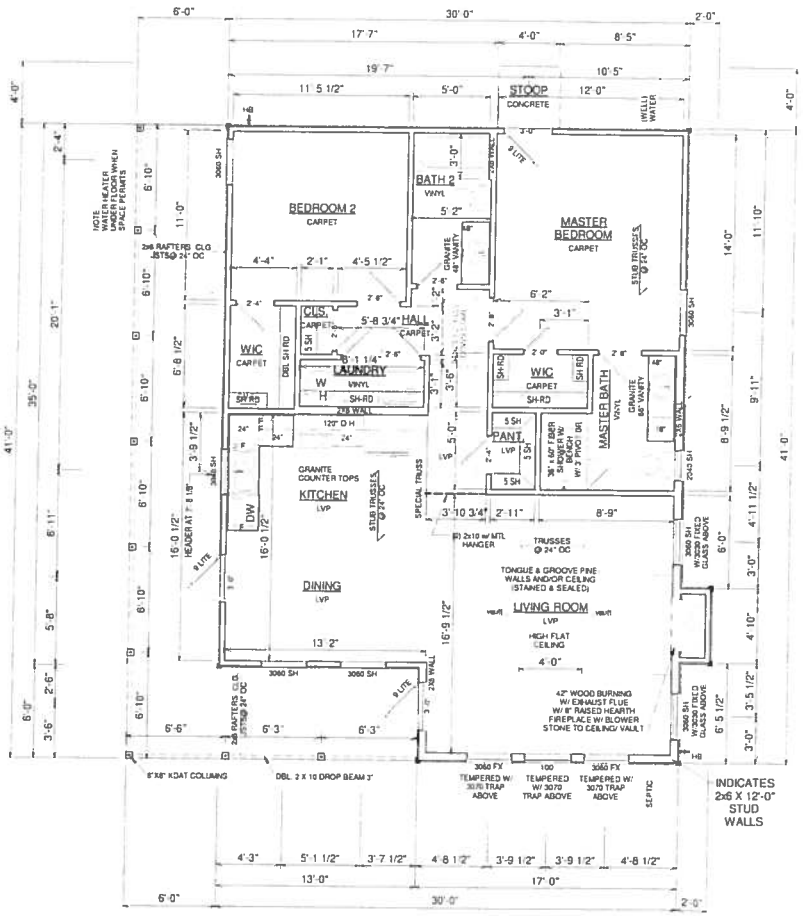
SHEET NUMBER: F-1

FOUNDATION

PAPER SIZE 11" x 17" SCALE As indicated

REVIEWED FOR COMPLIANCE SEE WIND LOAD DETAILS

JAMES ZALESKI PE 51544 2305 HAVERHILL RD TALLAHASSEE, FL 32312 PH 850-766-7778



1 FIRST FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

- MIN 9' 1 1/8" CEILING HEIGHT ON FIRST FLOOR
- ALL LOAD BEARING WALLS & EXT. OPENINGS TO HAVE (2) 2X10 HEADERS UNLESS OTHERWISE NOTED
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  SINGLE-68"
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- PORCH, STOOP, & DECK HARDRAILS NOT INCLUDED W/ SLAB FOUNDATION
- RAILINGS ARE A FORCED OPTION WHEN PORCH IS OVER 30" HIGH

SPECIAL NOTES

- 3 PANEL INTERIOR DOOR STYLE
- EXTERIOR PREMIUM SIDING COLOR
- TONGUE AND GROVE PINE CEILING (STAINED & SEALED)

10,359 CUBIC FEET

AREAS:	
FIRST FLOOR HEATED	1,151 SF
COVERED PORCH	323 SF
TOTAL UNDER ROOF	1,475 SF

Revision Schedule

Revision Number	Revision Description	Revision Date

THE: UNION

FOR: TIMOTHY CASH

COLUMBIA, FL.

OFFICE: GAINESVILLE, FL. SOLD BY: ST

JOB# 59-19-001

2x4 EXTERIOR WALLS UNLESS OTHERWISE NOTED

FOUNDATION TYPE: MONOSLAB

DRAWN BY: DRAFTER

CHECKED BY: CHECKER

PRINT DATE: 03/12/2019 9:25:59 AM

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PROPERTY OF: AMERICA'S HOME PLACE

SHEET NUMBER: F-2

FIRST FLOOR PLAN

OPT. PAPER SIZE: for 1/4" =1'-0" on 24"x36" PAPER SIZE ENLARGE PRINTS TO 200%

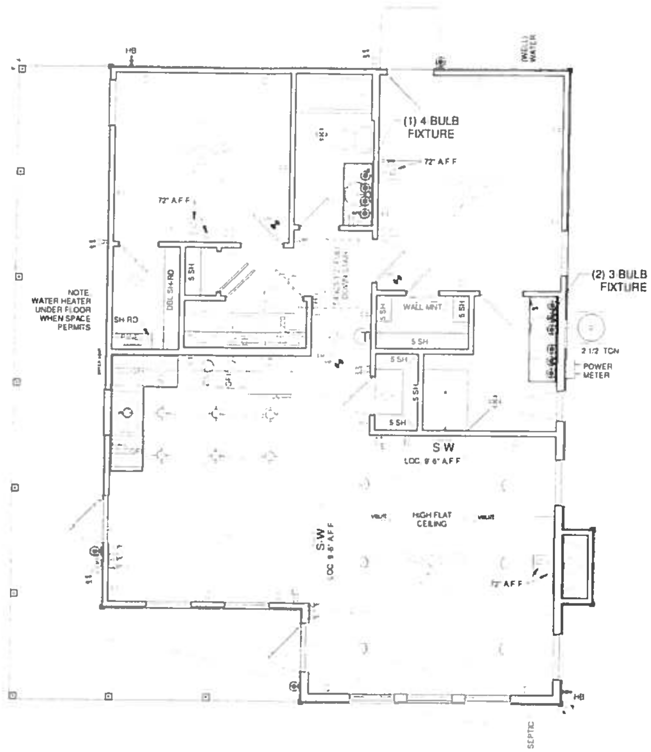
FINAL CONSTRUCTION PLANS

PAPER SIZE 11" x 17" SCALE: 1/8" = 1'-0"

REVIEWED FOR COMPLIANCE SEE WIND LOAD DETAILS

JAMES ZALESKI PE 51544 2305 HAVERHILL RD TALLAHASSEE, FL 32312 PH 850-766-7778

-FURN NOT LOC'D ON HEATED AREA TO BE AS CENTRALLY LOC'D AS POSS IN ACCORDANCE WITH ALL APPLICABLE CODES
-HVAC VENTS AND UNIT TO BE LOCATED AT BUILDERS DISCRETION
-RETURNS AIR REG S TO BE AS CLOSE TO FURN UNIT & CENTRALLY LOC'D AS POSS
-OUTSIDE COMPRESSOR UNIT TO BE LOCATED AS CLOSE TO INT AIR HANDLER AS POSSIBLE
-OUTSIDE COMPRESSOR UNIT TO BE LOCATED 10' AWAY MIN FROM DRYER VENT



1 ELECTRICAL PLAN
1/8" = 1'-0"

HVAC SYMBOLS (TYPICAL)

R A	RETURN AIR CEILING
R A	RETURN AIR WALL
S C	SUPPLY CEILING
S F	SUPPLY FLOOR
S W	SUPPLY WALL

ELECTRICAL SYMBOL

Ceiling Fan w Light	
Detector Combo	SMCO CMB
Detector Smoke	SM
Fan Bath Exhaust	
Fan Exhaust w Light	
Light Ceiling Incand	
Light Ceiling Recessed	
Light Flood	
Light Pendent Light	
Light Wall Ext Coach	
Mec Door Bell	B
Mec Thermostat	T
Outlet	
Outlet GFI	GFI
Outlet GFI Waterproof Ext	WP GFI
Outlet Sngl 220	
Panel	PANEL
Switch	
Switch 3 Way	
Switch 4 Way	

ELECTRICAL NOTES:

- BRACE CIRCUITS THAT SUPPLY 125V SINGLE PHASE, 15 & 20AMP RECEPTACLE OUTLETS IN BEDROOMS SHALL BE PROTECTED BY ARC FAULT CIRCUIT INTERRUPTER. ART. 210-12(b) 1999 NEC
- CONFORM ELECT. WIRING & COMPONENTS TO CURRENT NEC PROVISIONS OF 1 & 2 FAMILY DWELLINGS AS REQUIRED BY CODE
- OUTLET LOCATIONS ARE REPRESENTATION ONLY
- ACTUAL OUTLET LOCATIONS MAY VARY PER LOCAL CODE

HVAC NOTES:

- FURN. NOT LOCATED ON HEATED AREA TO BE AS CENTRALLY LOCATED AS POSSIBLE, IN ACCORDANCE WITH ALL APPLICABLE CODES
- BUILDER & HVAC CONTRACTOR RESERVE THE RIGHT TO LOCATE SUPPLY VENTS OR LINES
- RETURN AIR REGISTERS TO BE AS CLOSE TO FURNACE UNIT & CENTRALLY LOCATED AS POSSIBLE
- OUTSIDE COMPRESSOR UNIT TO BE LOCATED AS CLOSE TO INTERIOR AIR HANDLER AS POSSIBLE
- OUTSIDE COMPRESSOR UNIT TO BE LOCATED 10'-0" AWAY MIN. FROM DRYER VENT

OPT. PAPER SIZE: for 1/4" =1'-0" on 24"x36" PAPER SIZE ENLARGE PRINTS TO 200%

FINAL CONSTRUCTION PLANS

PAPER SIZE 11" x 17" SCALE 1/8" = 1'0"

Revision Schedule

Revision Number	Revision Description	Revision Date

AREAS:

FIRST FLOOR HEATED	1,151 SF
COVERED PORCH	323 SF
TOTAL UNDER ROOF	1,475 SF
PATIO	16 SF

THE: UNION

FOR: TIMOTHY CASH

COLUMBIA, FL.

OFFICE: GAINESVILLE, FL

SOLD BY: ST

JOB# 59-19-001

2x4 EXTERIOR WALLS UNLESS OTHERWISE NOTED

FOUNDATION TYPE: MONOSLAB

DRAWN BY: DRAFTER

CHECKED BY: CHECKER

PRINT DATE: 3/5/2019 9 26 03 AM

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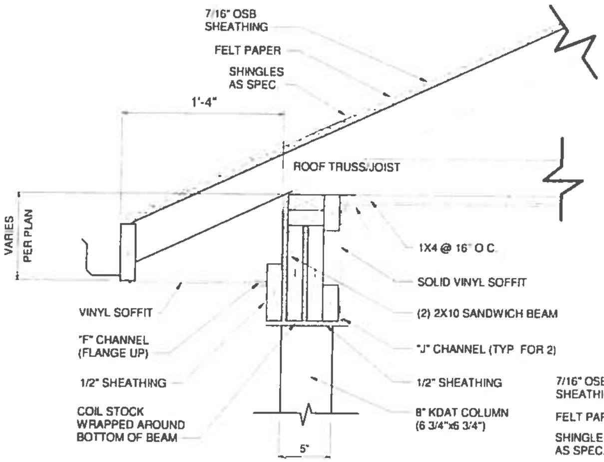
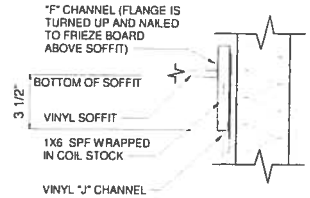
PROPERTY OF:

SHEET NUMBER: H-1

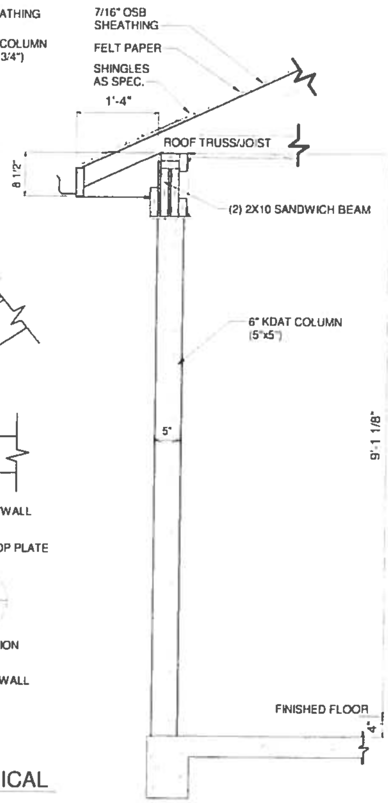
FIRST FLOOR ELEC & HVAC



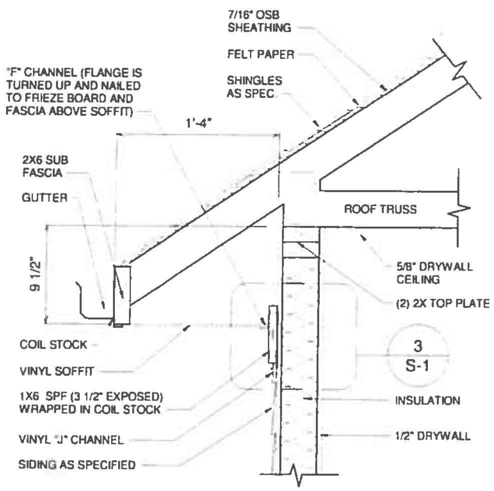
1 6" KADT Column Eve Detail
1" = 1'-0"



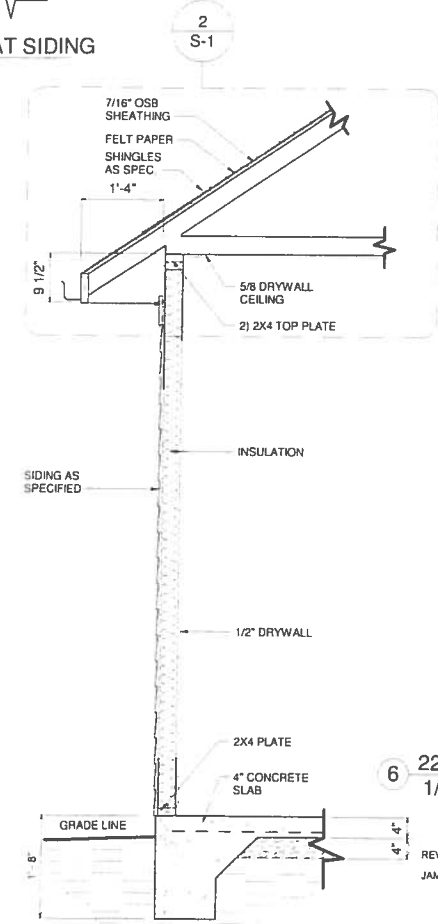
3 400.2 FRIEZE DETAIL AT SIDING
1 1/2" = 1'-0"



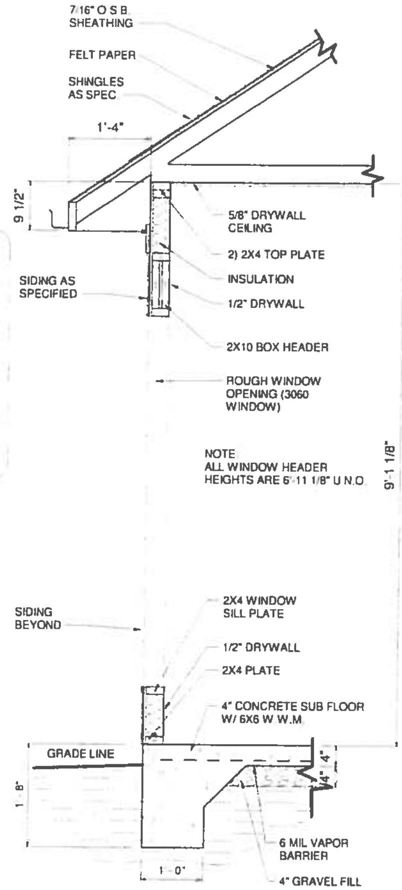
4 840.1 6" KDAT Column
1/2" = 1'-0"



2 400.1 RAFTER TAIL AT SIDING WALL - TYPICAL
1" = 1'-0"



5 220.1 WALL SECTION ON SLAB
1/2" = 1'-0"



6 220.1.1 WALL SECTION ON SLAB AT WINDOW
1/2" = 1'-0"

REVIEWED FOR COMPLIANCE. SEE WIND LOAD DETAILS
JAMES ZALESKI PE 51544 2305 HAVERHILL RD TALLAHASSEE FL 32312 PH 850-766-7778

OPT. PAPER SIZE, for 1/4" =1'-0" on 24"x36" PAPER SIZE ENLARGE PRINTS TO 200%

FINAL CONSTRUCTION PLANS

PAPER SIZE 11" x 17" SCALE As indicated

Revision Schedule		
Revision Number	Revision Description	Revision Date

AREAS:	
FIRST FLOOR HEATED	1,151 SF
COVERED PORCH	323 SF
TOTAL UNDER ROOF	1,475 SF
PATIO	16 SF

THE: UNION
FOR: TIMOTHY CASH
COLUMBIA, FL.
OFFICE: GAINESVILLE FL
SOLD BY: ST

DRAWN BY: DRAFTER
JOB# 59-19-001
CHECKED BY: CHECKER
2x4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED
PRINT DATE: 2/5/2019 9:26:06 AM
FOUNDATION TYPE: MONOSLAB
S:\AHP-JOBS\Dcug Higgins-120-121 145 59-04-43 66 73 53 125 59 Gainesville FL59 Cash Union Monoslab R 59 Cash Union Monoslab rvt

PROPERTY OF:

SHEET NUMBER: S-1
DETAILS & SECTIONS

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2017 EFFECTIVE 1 JANUARY 2018 AND THE NATIONAL ELECTRICAL 2014 EFFECTIVE 1 JANUARY 2018

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES RESIDENTIAL AND THE NATIONAL ELECTRICAL CODE. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS, FBC 1609.3.1 THRU 1609.3.3.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES

Revised 7/1/18

Website: http://www.columbiacountyfla.com/BuildingandZoning.asp

GENERAL REQUIREMENTS:
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

Items to Include- Each Box shall be Circled as Applicable

Select From Drop down

1	Two (2) complete sets of plans containing the following:		✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void		✓		
3	**Condition space (Sq. Ft.)** 1151	**Total (Sq. Ft.) under roof** 1475	Yes	No	NA

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL 107.1.

Site Plan information including:

4	Dimensions of lot or parcel of land	Yes		
5	Dimensions of all building set backs	No		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	Yes		
7	Provide a full legal description of property.	Yes		

Wind-load Engineering Summary, calculations and any details are required.

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	**Plans or specifications must show compliance with FBCR Chapter 3**	Yes	No	NA

Select From Drop down

9	Basic wind speed (3-second gust), miles per hour	Yes		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	NA		
11	Wind importance factor and nature of occupancy	No		
12	The applicable internal pressure coefficient, Components and Cladding	Yes		
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	Yes		

Elevations Drawing including:

14	All side views of the structure	Yes		
15	Roof pitch	Yes		
16	Overhang dimensions and detail with attic ventilation	Yes		
17	Location, size and height above roof of chimneys	Yes		
18	Location and size of skylights with Florida Product Approval	NA		
19	Number of stories	Yes		
20	Building height from the established grade to the roofs highest peak	No		

Floor Plan Including:

21	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	Yes		
22	Raised floor surfaces located more than 30 inches above the floor or grade	Yes		
23	All exterior and interior shear walls indicated	Yes		
24	Shear wall opening shown (Windows, Doors and Garage doors)	Yes		
25	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	Yes		
26	Safety glazing of glass where needed	Yes		
27	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	Yes		
28	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	NA		
29	Identify accessibility of bathroom (see FBCR SECTION 320)	-		

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans
(see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

FBCR 403: Foundation Plans

Select From Drop down

30	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	Yes		
31	All posts and/or column footing including size and reinforcing	Yes		
32	Any special support required by soil analysis such as piling.	NA		
33	Assumed load-bearing valve of soil Pound Per Square Foot	No		
34	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	Yes		

FBCR 506: CONCRETE SLAB ON GRADE

35	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	Yes		
36	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	Yes		

FBCR 318: PROTECTION AGAINST TERMITES

37	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. **Protection shall be provided by registered termiticides**	Yes		

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

38	Show all materials making up walls, wall height, and Block size, mortar type	NA		
39	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	NA		

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

40	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	Yes		
41	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers	NA		
42	Girder type, size and spacing to load bearing walls, stem wall and/or priers	Yes		
43	Attachment of joist to girder	Yes		
44	Wind load requirements where applicable	Yes		
45	Show required under-floor crawl space	NA		
46	Show required amount of ventilation opening for under-floor spaces	NA		
47	Show required covering of ventilation opening	NA		
48	Show the required access opening to access to under-floor spaces	NA		
49	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing	NA		
50	Show Draftstopping, Fire caulking and Fire blocking	No		
51	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	NA		
52	Provide live and dead load rating of floor framing systems (psf).	NA		

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
		Select from Drop down
53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	Yes
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	Yes
55	Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	Yes
56	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	Yes
57	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC-R602.7.	Yes
58	Indicate where pressure treated wood will be placed	Yes
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	Yes
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	Yes

FBCR :ROOF SYSTEMS:

61	Truss design drawing shall meet section FBC-R 802.10. 1 Wood trusses	Yes		
62	Include a layout and truss details, signed and sealed by Florida Professional Engineer	Yes		
63	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	Yes		
64	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	Yes		
65	Provide dead load rating of trusses	Yes		

FBCR 802:Conventional Roof Framing Layout

66	Rafter and ridge beams sizes, span, species and spacing	Yes		
67	Connectors to wall assemblies' include assemblies' resistance to uplift rating	Yes		
68	Valley framing and support details	Yes		
69	Provide dead load rating of rafter system	NA		

FBCR 803 ROOF SHEATHING

70	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	Yes		
71	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	Yes		

ROOF ASSEMBLIES FRC Chapter 9

72	Include all materials which will make up the roof assembles covering	Yes			
73	Submit Florida Product Approval numbers for each component of the roof assembles covering	Yes			

FBCR Chapter 11 Energy Efficiency Code for Residential Building

Residential construction shall comply with this code by using the following compliance methods in the FBCR Chapter 11 Residential buildings compliance methods. **Two of the required forms are to be submitted,** *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as " Applicable			
		Select from Drop Down			
74	Show the insulation R value for the following areas of the structure	Yes			
75	Attic space	Yes			
76	Exterior wall cavity	Yes			
77	Crawl space	NA			

HVAC information

78	Submit two copies of a Manual J sizing equipment or equivalent computation study	Yes			
79	Exhaust fans shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required**	Yes			
80	Show clothes dryer route and total run of exhaust duct	No			

Plumbing Fixture layout shown

81	All fixtures waste water lines shall be shown on the foundation plan	Yes			
82	Show the location of water heater	Yes			

Private Potable Water

83	Pump motor horse power	No			
84	Reservoir pressure tank gallon capacity	No			
85	Rating of cycle stop valve if used	No			

Electrical layout shown including

86	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	Yes			
87	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by **Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A**	Yes			
88	Show the location of smoke detectors & Carbon monoxide detectors	Yes			
89	Show service panel, sub-panel, location(s) and total ampere ratings	Yes			
90	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. **For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	Yes			
91	Appliances and HVAC equipment and disconnects	Yes			
92	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device.	Yes			

Notice Of Commencement:

A notice of commencement form RECORDED in the Columbia County Clerk Office is required to be filed with the Building Department BEFORE ANY INSPECTIONS can be performed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

****ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.****

Select from Drop down

93	**Building Permit Application** A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee. The completed application with attached documents and application fee can be mailed.	Yes		
94	**Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	Yes		
95	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	NA		
96	**City of Lake City** A City Water and/or Sewer letter. Call 386-752-2031	NA		
97	**Toilet facilities shall be provided for all construction sites**	Yes		
98	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	No		
99	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations (Municode.com)	No		
100	**CERTIFIED FINISHED FLOOR ELEVATIONS** will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	Yes		
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**	No		
102	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	No		
103	**911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	NA		

Ordinance Sec. 90-75. - Construction debris. (e) It shall be unlawful for any person to dispose of or discard solid waste, including construction or demolition debris at any place within the county other than on an authorized disposal site or at the county's solid waste facilities. The temporary storage, not to exceed seven days of solid waste (excluding construction and demolition debris) on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance, shall not be deemed a violation of this section. The temporary storage of construction and demolition debris on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance shall not be deemed in violation of this section; provided, however, such construction and demolition debris must be disposed of in accordance with this article prior to the county's issuance of a certificate of occupancy for the premises. The burning of lumber from a construction or demolition project or vegetative trash when done so with legal and proper permits from the authorized agencies and in accordance with such agencies' rules and regulations, shall not be deemed a violation of this section. No person shall bury, throw, place, or deposit, or cause to be buried, thrown, placed, or deposited, any solid waste, special waste, or debris of any kind into or on any of the public streets, road right-of-way, highways, bridges, alleys, lanes, thoroughfares, waters, canals, or vacant lots or lands within the county. No person shall bury any vegetative trash on any of the public streets, road right-of-way, highways, bridges, lanes, thoroughfares, waters, canals, or lots less than ten acres in size within the county.

Disclosure Statement for Owner Builders:

If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.

**This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - http://www.columbiacountyfla.com/BuildingandZoning.asp

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

Notification:

When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @

Category/Subcategory	Manufacturer	Product Description	Approval Number (s)
1. EXTERIOR DOORS			
a. SWINGING	Therma Tru	Exterior Swing door	FL-15225-R8
b. SLIDING	Silver Line	Sliding glass door	FL-14998
c. SECTIONAL/ROLL UP	Chi	garage door	FL-15012-R2
d. OTHER			
2. WINDOWS			
a. SINGLE/DOUBLE HUNG	Silver Line	window FL-19715	FL-14911
b. HORIZONTAL SLIDER			
c. CASEMENT			
d. FIXED	Silver Line	Fix Window	FL-14918
e. MULLION			
f. SKYLIGHTS			
g. OTHER			
Concrete siding	Cemplank	Concrete Siding	FL-13192.1
3. PANEL WALL			
a. SIDING	Alside	Vinyl Siding	FL-15275.5
b. SOFFITS	Alside	Aluminum	FL 15272
c. STOREFRONTS			
d. GLASS BLOCK			
e. OTHER			
4. ROOFING PRODUCTS			
a. ASPHALT SHINGLES	Atlas Roofing	Asphalt Shingle	FL-16305-P6
b. NON-STRUCT METAL			
c. ROOFING TILES			
d. SINGLE PLY ROOF			
e. OTHER			
5. STRUCT COMPONENTS			
a. WOOD CONNECTORS			
b. WOOD ANCHORS			
c. TRUSS PLATES			
d. INSULATION FORMS			
e. LINTELS			
f. OTHERS			
6. NEW EXTERIOR			
a. ENVELOPE PRODUCTS			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the job site: 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Mark Mott

APPLICANT SIGNATURE

4-16-18

DATE

WIND ANALYSIS -- 125 MPH Wind Velocity or as interpolated
2017 6th edition Florida Building Code

Calculations as per Section **1609ASCE 7-10**

Attachments required:

1. The applicable building floor plan with EACH Wind Analysis, a reduced legible plan may be provided
2. Indicate location of all vaulted or high ceilings on floor plan.
3. A truss layout by the truss manufacturer will be required. The truss layout needs will indicate all interior bearing walls or points.

Job Address: ***CASH RESIDENCE*** ***Date:*** ***2/13/19***

Contractor ***Americas Homeplace***

Subdivision/Lot/Block ~~17205 NW 254th Dr High Springs~~ 340 SW Delaware Way, Fort White FL

Prepared by (print legibly): ***James Zaleski*** ***Design Professional FL Lic. #:*** ***51544***

Importance factor: ***1.0*** ***Building Category:*** ***Enclosed*** ***Wind Exposure (s):*** ***B***

Internal Pressure Coefficient *+/-.18*

Plans may be used as a master plan by the above contractor: *No (circle one) Initials*_____

Mean Roof Height: 23.95

Stud Species: See BELOW

Species for Top Plate: SPF

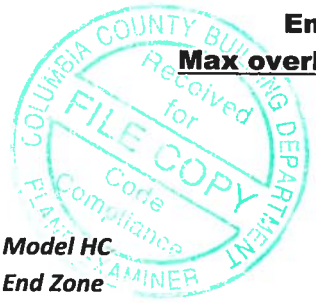
ROOF SLOPE 10/12

Max. stud ht. (excluding gable end):

SYP Studs Grade 1
2 x 4 @ 16" o.c up to 10'-0" 16" o.c 1st Floor

End Zone Length: 5.0

Max overhang length (excluding porches): 1.5'



HURRICANE CLIPS(HC)

Hurricane Clips - SIMPSON

Truss Span Or Location	***Model HC End Zone***	***Model HC Interior Zone***	
All Bearing Locations	***H-10A or 2-2.5A***	***All Other Areas***	***H-10A or 2-2.5A***
All Porch Beams/Bay Windows	***All Locations***	***2-H2.5A***	

For 2 or 3 PLY Girder Truss use 2- Simpson VGT Tiedowns

ROOF SHEATHING MATERIAL: ***7/16" OSB*** ***(be specific such as 7/16" OSB)***

Fastener ***10D Ringshank*** ***NAILING PATTERN:*** ***4" o.c.*** ***Edges (perimeter)*** ***6 o.c.*** ***Field***

3" along all edges

Plan May Be Mirrored at Contractors Option

James Zaleski PE #51544

Job Address: _____

WALL BRACING___ SEE PLANS FOR DETAILS _ 100% continuous or as required: *See Note 1*, below.

Walls (See Plans For Details)
SHEATH ALL EXTERIOR WALLS
100% CONTINOUS

First 96"	From Each	Corner
Material	7/16" OSB	**ALL SHEATHING FASTENERS - 8d Wall**
Nailing	Edges	4" o.c.
	Field	12" o.c.
All Areas		
Material	7/16" OSB	
Nailing	Edges	6" o.c.
	Field	12" o.c.

STRAPS:
Straps - Bend to "U Shape"

Brand - Simpson **Model SPH4** **Nails** **12 - 10d X 1 ½" Nails**

Spacing 32" o.c for first 96" from each Corner
All Other Areas 48" o.c.

Anchor Bolts 1/2" x 10" with 2" washers
Spacing 48" o.c. Spacing 6" from Each Corner

COMPONENTS AND CLADDING PRESSURES: (WORST CASE LOADS MAY BE USED)
COMPONENTS AND CLADDING
ZONE per
SEE ATTACHED

MAIN WIND FORCE RESISTING SYSTEMS (MWFRS) (WORST CASE LOADS MAY BE USED)

-

SEE ATTACHED

2-14-19

James Zaleski P.E. #51544 2305 haverhill rd tall fl 32312 ph 850-766-7778

All Load Bearing and Shear Walls To be Framed as per FBC
Alternative Hurricane Clips are acceptable as long as they meet the requirements shown

PROVIDE GABLE END BRACING DETAIL, all vaulted or high ceilings shall be balloon framed to the ceiling diaphram.

NOTES: PLEASE READ & complete all blanks!!!!

1. ***See floor plan for wall bracing locations or circle 100% if structural sheathing is required on all exterior walls, with the nailing pattern indicated above.***
2. ***There are _____, there are not_ X _ interior shear walls, locate interior shear walls on plan.***
3. ***Gable ends required to be sheathed with same material as shear wall? (Yes) or No* (circle one)**
4. ***Wall sheathing used in lieu of vertical straps: Nailing @ _3" o.c. along top & bottom plates***
5. ***Provide detail for 2 story bldgs showing continuous load path between 2nd floor stud & 1st floor studs.***
6. ***Provide additional information for column base & column/beam connection if required for porches.***
7. ***Provide calculations or documentation to substantiate method used as an attachment to this form(SEE PLANS)***

Instructions:

1. The form should be completed & signed, sealed & dated by a Fla. licensed engineer or architect.
2. Since more than one methodology for determination of wind forces is permitted under Section 1609ASCE7-10, to comply with State Building Codes a space has been provided to indicate method used.
3. Wind Analysis Forms submitted & permitted to be used as Master Plans will be for identical plans only, minor deviations such as door swings. Any deviation from the exterior form, opening sizes or locations will not be permitted unless noted by the design professional.

2-24-15

James Zaleski PE #51544 2305 Haverhill Rd Tall Fl 32312 ph 850-766-7778

MecaWind v2322

Calculations Prepared by:
Date: Feb 14, 2019
Designer: JAMES ZALESKI PE 51544

Description:
CASH

FileLocation :

Basic Wind Parameters

Wind Load Standard	= ASCE 7-10	Exposure Category	= B
Wind Design Speed	= 125.0 mph	Risk Category	= II
Structure Type	= Building	Building Type	= Enclosed

General Wind Settings

	= ASCE 7-10 Wind Parameters	=
Incl_LF	= Include ASD Load Factor of 0.6 in Pressures	= True
DynType	= Dynamic Type of Structure	= Rigid
NF	= Natural Frequency of Structure (Mode 1)	= 1.000 Hz
NF	= Natural Frequency of Structure	= 1.000 Hz
Zg	= Altitude (Ground Elevation) above Sea Level	= 0.000 ft
Bdist	= Base Elevation of Structure	= 0.000 ft
GenElev	= Specify the Elevations For Wind Pressures	= Mean Roof Ht
SDB	= Simple Diaphragm Building	= False
MWFRS	= Analysis Procedure being used for MWFRS	= Ch 27 Pt 1
C&C	= Analysis Procedure being used for C&C	= Ch 30 Pt 1
MWFRSType	= MWFRS Method Selected	= Ch 27 Pt 1

Topographic Factor per Fig 26.8-1

Topo	= Topographic Feature	= None
Kzt	= Topographic Factor	= 1.000

Building Inputs

RoofType:	Building Roof Type = Gabled	: Gabled	=		
W	: Width Perp to Ridge = 38.000 ft	L	: Length Along Ridge	= 41.000 ft	
EHt	: Eave Height = 15.200 ft	RE	: Roof Entry Method	= Slope	
Slope	: Slope of Roof = 10.0 :12	OH	: Specify Roof to Wall intersections and Overhangs	= Overhang	
Parapet	: Type of Parapet = None	Theta	: Roof Slope	= 39.81 Deg	
Par	: Is there a Parapet = False	OH_ALL	: Sofit	= 2.000 ft	
OH_ALL	: Sofit = 2.000 ft	OH_ALL	: Sofit	= 2.000 ft	

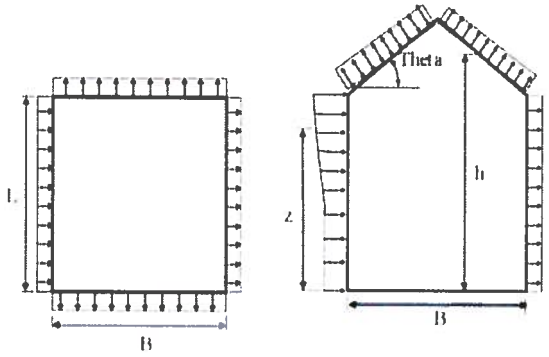
Exposure Constants per Table 26.9-1:

Alpha:	Const from Table 26.9-1= 7.000	Zg:	Const from Table 26.9-1= 1200.000 ft
At:	Const from Table 26.9-1= 0.143	Bt:	Const from Table 26.9-1= 0.840
Am:	Const from Table 26.9-1= 0.250	Bm:	Const from Table 26.9-1= 0.450
C:	Const from Table 26.9-1= 0.300	Eps:	Const from Table 26.9-1= 0.333

Overhang Inputs:

Std	= Overhangs on all sides are the same	= True
OHType	= Type of Roof Wall Intersections	= Sofit
OH	= Overhang of Roof Beyond Wall	= 2.000 ft

Main Wind Force Resisting System (MWFRS) Calculations per Ch 27 Part 1:



EHt	= Eave Height	= 15.200 ft
RHt	= Ridge Height	= 32.700 ft
h	= Mean Roof Height: 0.5*(EHt+RHt)	= 23.950 ft
Zh	= Mean Roof Height for Kh: h + Base_Dist	= 23.950 ft
Kh	= Since 15 ft [4.572 m] < Zh < Zg --> 2.01 * (Zh/zg)^(2/Alpha)	= 0.657
Kzt	= Topographic Factor is 1 since no Topographic feature specified	= 1.000
Kd	= Wind Directionality Factor per Table 26.6-1	= 0.85

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GCPi	= Ref Table 26.11-1 for Enclosed Building	= +/-0.18
RA	= Roof Area	= 2460.23 sq ft
LF	= Load Factor based upon ASD Design	= 0.60
qh	= (0.00256 * Kh * Kzt * Kd * V^2) * LF	= 13.40 psf
qin	= For Negative Internal Pressure of Enclosed Building use qh*LF	= 13.40 psf
qip	= For Positive Internal Pressure of Enclosed Building use qh*LF	= 13.40 psf

Gust Factor Calculation:

Gust Factor Category I Rigid Structures - Simplified Method		
G1	= For Rigid Structures (Nat. Freq.>1 Hz) use 0.85	= 0.85
Gust Factor Category II Rigid Structures - Complete Analysis		
Zm	= 0.6 * Ht	= 30.000 ft
Izm	= Cc * (33 / Zm) ^ 0.167	= 0.305
Lzm	= L * (Zm / 33) ^ Epsilon	= 309.993
Q	= (1 / (1 + 0.63 * ((B + Ht) / Lzm)^0.63))^0.5	= 0.902
G2	= 0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	= 0.867
Gust Factor Used in Analysis		
G	= Lessor Of G1 Or G2	= 0.850

MWFRS Wind Normal to Ridge (Ref Fig 27.4-1)

h	= Mean Roof Height Of Building	= 23.950 ft
RHt	= Ridge Height Of Roof	= 32.700 ft
B	= Horizontal Dimension Of Building Normal To Wind Direction	= 41.000 ft
L	= Horizontal Dimension Of building Parallel To Wind Direction	= 38.000 ft
L/B	= Ratio Of L/B used For Cp determination	= 0.927
h/L	= Ratio Of h/L used For Cp determination	= 0.630
Slope	= Slope of Roof	= 39.81 Deg
OH_Top_+X+Y	= Overhang Coefficient Overhang +X+Y (Leeward)	= -0.6, -0.6
OH_Top_+X-Y	= Overhang Coefficient Overhang +X-Y (Windward)	= 0.32, -0.1
OH_Top_+Y	= Overhang Coefficient Top +Y (Leeward)	= -0.6, -0.6
OH_Top_-X+Y	= Overhang Coefficient Overhang -X+Y (Leeward)	= -0.6, -0.6
OH_Top_-X-Y	= Overhang Coefficient Overhang -X-Y (Windward)	= 0.32, -0.1
OH_Top_-Y	= Overhang Coefficient Top Windward Edge	= 0.32, -0.1
Roof_LW	= Roof Coefficient (Leeward)	= -0.6, -0.6
Roof_WW	= Roof Coefficient (Windward)	= 0.32, -0.1
Sofit_-Y	= Overhang Coefficient Sofit -Y	= 0.8, 0.8

Cp_WW	= Windward Wall Coefficient (All L/B Values)	= 0.80
Cp_LW	= Leward Wall Coefficient Using L/B	= -0.50
Cp_SW	= Side Wall Coefficient (All L/B values)	= -0.70
GCpn_WW	= Parapet Combined Net Pressure Coefficient (Windward Parapet)	= 1.50
GCpn_LW	= Parapet Combined Net Pressure Coefficient (Leeward Parapet)	= -1.00

Wall Wind Pressures based On Positive Internal Pressure (+GCPi) - Normal to Ridge
All wind pressures include a load factor of 0.6

Elev ft	Kz	Kzt	qz psf	GCPi psf	Windward Press psf	Leeward Press psf	Side Press psf	Total Press psf	Minimum Pressure* psf
15.20	0.577	1.000	11.77	0.18	5.59	-8.11	-10.39	13.70	9.60

Wall Wind Pressures based on Negative Internal Pressure (-GCPi) - Normal to Ridge
All wind pressures include a load factor of 0.6

Elev ft	Kz	Kzt	qz psf	GCPi psf	Windward Press psf	Leeward Press psf	Side Press psf	Total Press psf	Minimum Pressure* psf
15.20	0.577	1.000	11.77	-0.18	10.41	-3.28	-5.56	13.70	9.60

Notes Wall Pressures:
Kz = Velocity Press Exp Coeff — Kzt = Topographical Factor
qz = 0.00256*Kz*Kzt*Kd*V^2 — GCPi = Internal Press Coefficient
Side = qh * G * Cp_SW - qip * +GCPi — Windward = qz * G * Cp_WW - qip * +GCPi
Leeward = qh * G * Cp_LW - qip * +GCPi — Total = Windward Press - Leeward Press
* Minimum Pressure: Para 27.4.7 no less than 9.60 psf (Incl LF) applied to Walls
+ Pressures Acting TOWARD Surface — - Pressures Acting AWAY from Surface

Roof Wind Pressures for Positive & Negative Internal Pressure (+/- GCPi) - Normal to Ridge
All wind pressures include a load factor of 0.6

Roof Var	Start Dist ft	End Dist ft	Cp_min	Cp_max	GCPi	Pressure Pn_min* psf	Pressure Pp_min* psf	Pressure Pn_max psf	Pressure Pp_max psf
OH_Top_+X+Y	N/A	N/A	-0.600	-0.600	0.000	-6.83	-6.83	-6.83	-6.83
OH_Top_+X-Y	N/A	N/A	0.320	-0.100	0.000	3.65	3.65	-1.14	-1.14
OH_Top_+Y	N/A	N/A	-0.600	-0.600	0.180	-4.42	-9.25	-4.42	-9.25
OH_Top_-X+Y	N/A	N/A	-0.600	-0.600	0.000	-6.83	-6.83	-6.83	-6.83
OH_Top_-X-Y	N/A	N/A	0.320	-0.100	0.000	3.65	3.65	-1.14	-1.14
OH_Top_-Y	N/A	N/A	0.320	-0.100	0.180	6.06	1.23	1.27	-3.55
Roof_LW	N/A	N/A	-0.600	-0.600	0.180	-4.42	-9.25	-4.42	-9.25

Roof_WW	N/A	N/A	0.320	-0.100	0.180	6.06	1.23	1.27	-3.55
Sofit_-Y	N/A	N/A	0.800	0.800	0.180	11.53	6.70	11.53	6.70

Notes Roof Pressures:
Start Dist = Start Dist from Windward Edge End Dist = End Dist from Windward Edge
Cp_Max = Largest Coefficient Magnitude Cp_Min = Smallest Coefficient Magnitude
Pp_max = qh*G*Cp_max - qip*(+GCPi) Pn_max = qh*G*Cp_max - qin*(-GCPi)
Pp_min* = qh*G*Cp_min - qip*(+GCPi) Pn_min* = qh*G*Cp_min - qin*(-GCPi)
OH = Overhang X = Dir along Ridge Y = Dir Perpendcular to Ridge Z = Vertical
* The smaller uplift pressures due to Cp_Min can become critical when wind is combined with roof live load or snow load; load combinations are given in ASCE 7
+ Pressures Acting TOWARD Surface - Pressures Acting AWAY from Surface

MWFRS Wind Parallel to Ridge (Ref Fig 27.4-1)

h	= Mean Roof Height Of Building	= 23.950 ft
RHt	= Ridge Height Of Roof	= 32.700 ft
B	= Horizontal Dimension Of Building Normal To Wind Direction	= 38.000 ft
L	= Horizontal Dimension Of building Parallel To Wind Direction	= 41.000 ft
L/B	= Ratio Of L/B used For Cp determination	= 1.079
h/L	= Ratio Of h/L used For Cp determination	= 0.584
Slope	= Slope of Roof	= 39.81 Deg
OH_Bot	= Overhang Bottom (Windward Face Only)	= 0.8, 0.8
OH_Top	= **Overhang Top Coeff (0 to h/2) (0.000 ft to 11.975 ft)	= -0.18, -0.924
OH_Top	= **Overhang Top Coeff (0 to h/2) (0.000 ft to 11.975 ft)	= -0.18, -0.924
OH_Top_1	= Overhang Top Coeff (h/2 to h) (11.975 ft to 23.950 ft)	= -0.18, -0.866
OH_Top_2	= Overhang Top Coeff (h/2 to h) (11.975 ft to 23.950 ft)	= -0.18, -0.866
OH_Top_3	= Overhang Top Coeff (h to 2h) (23.950 ft to 47.900 ft)	= -0.18, -0.534
OH_Top_4	= Overhang Top Coeff (h to 2h) (23.950 ft to 47.900 ft)	= -0.18, -0.534
OH_Top_5	= Overhang Top Coeff (h to 2h) (23.950 ft to 47.900 ft)	= -0.18, -0.534
OH_Top_6	= Overhang Top Coeff (h to 2h) (23.950 ft to 47.900 ft)	= -0.18, -0.534
Roof	= **Roof Coeff (0 to h/2) (0.000 ft to 11.975 ft)	= -0.18, -0.924
Roof_1	= Roof Coeff (h/2 to h) (11.975 ft to 23.950 ft)	= -0.18, -0.866
Roof_2	= Roof Coeff (h to 2h) (23.950 ft to 47.900 ft)	= -0.18, -0.534

**Includes Reduction Factor 0.8 For roof area, applied To Cp=-1.3 For h/L>=1 & (0 To h/2)

Cp_WW	= Windward Wall Coefficient (All L/B Values)	= 0.80
Cp_LW	= Leward Wall Coefficient Using L/B	= -0.48
Cp_SW	= Side Wall Coefficient (All L/B values)	= -0.70
GCpn_WW	= Parapet Combined Net Pressure Coefficient (Windward Parapet)	= 1.50
GCpn_LW	= Parapet Combined Net Pressure Coefficient (Leeward Parapet)	= -1.00

Wall Wind Pressures based On Positive Internal Pressure (+GCPi) - Parallel to Ridge
All wind pressures include a load factor of 0.6

Elev ft	Kz	Kzt	qz psf	GCPi psf	Windward Press psf	Leeward Press psf	Side Press psf	Total Press psf	Minimum Pressure* psf
32.70	0.718	1.000	14.65	0.18	7.55	-7.93	-10.39	15.48	9.60
23.95	0.657	1.000	13.40	0.18	6.70	-7.93	-10.39	14.63	9.60
20.10	0.625	1.000	12.75	0.18	6.26	-7.93	-10.39	14.18	9.60
15.20	0.577	1.000	11.77	0.18	5.59	-7.93	-10.39	13.52	9.60

Wall Wind Pressures based on Negative Internal Pressure (-GCPi) - Parallel to Ridge
All wind pressures include a load factor of 0.6

Elev ft	Kz	Kzt	qz psf	GCPi psf	Windward Press psf	Leeward Press psf	Side Press psf	Total Press psf	Minimum Pressure* psf
32.70	0.718	1.000	14.65	-0.18	12.37	-3.10	-5.56	15.48	9.60
23.95	0.657	1.000	13.40	-0.18	11.53	-3.10	-5.56	14.63	9.60
20.10	0.625	1.000	12.75	-0.18	11.08	-3.10	-5.56	14.18	9.60
15.20	0.577	1.000	11.77	-0.18	10.41	-3.10	-5.56	13.52	9.60

Notes Wall Pressures:
Kz = Velocity Press Exp Coeff Kzt = Topographical Factor
qz = 0.00256*Kz*Kzt*Kd*V^2 GCPi = Internal Press Coefficient
Side = qh * G * Cp_SW - qip * +GCPi Windward = qz * G * Cp_WW - qip * +GCPi
Leeward = qh * G * Cp_LW - qip * +GCPi Total = Windward Press - Leeward Press
* Minimum Pressure: Para 27.4.7 no less than 9.60 psf (Incl LF) applied to Walls
+ Pressures Acting TOWARD Surface - Pressures Acting AWAY from Surface

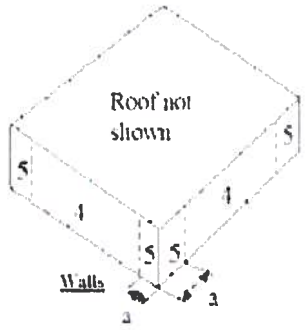
Roof Wind Pressures for Positive & Negative Internal Pressure (+/- GCPi) - Parallel to Ridge
All wind pressures include a load factor of 0.6

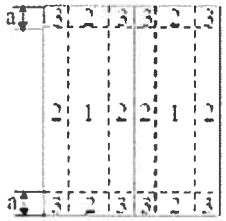
Roof Var	Start Dist ft	End Dist ft	Cp_min	Cp_max	GCPi	Pressure Pn_min* psf	Pressure Pp_min* psf	Pressure Pn_max psf	Pressure Pp_max psf
OH_Bot	N/A	N/A	0.800	0.800	0.000	9.11	9.11	9.11	9.11
OH_Top (-X+Y)	0.000	11.975	-0.180	-0.924	0.000	-2.05	-2.05	-10.52	-10.52

OH_Top (-X-Y)	0.000	11.975	-0.180	-0.924	0.000	-2.05	-2.05	-10.52	-10.52
OH_Top (-Y)	0.000	11.975	-0.180	-0.924	0.180	0.36	-4.46	-8.11	-12.93
OH_Top (+Y)	0.000	11.975	-0.180	-0.924	0.180	0.36	-4.46	-8.11	-12.93
OH_Top_1 (-Y)	11.975	23.950	-0.180	-0.866	0.180	0.36	-4.46	-7.46	-12.28
OH_Top_2 (+Y)	11.975	23.950	-0.180	-0.866	0.180	0.36	-4.46	-7.46	-12.28
OH_Top_3 (+X+Y)	23.950	47.900	-0.180	-0.534	0.000	-2.05	-2.05	-6.08	-6.08
OH_Top_4 (+X-Y)	23.950	47.900	-0.180	-0.534	0.000	-2.05	-2.05	-6.08	-6.08
OH_Top_5 (-Y)	23.950	47.900	-0.180	-0.534	0.180	0.36	-4.46	-3.67	-8.49
OH_Top_6 (+Y)	23.950	47.900	-0.180	-0.534	0.180	0.36	-4.46	-3.67	-8.49
Roof (+Y)	0.000	11.975	-0.180	-0.924	0.180	0.36	-4.46	-8.11	-12.93
Roof_1 (+Y)	11.975	23.950	-0.180	-0.866	0.180	0.36	-4.46	-7.46	-12.28
Roof_2 (+Y)	23.950	47.900	-0.180	-0.534	0.180	0.36	-4.46	-3.67	-8.49

Notes Roof Pressures:
Start Dist = Start Dist from Windward Edge End Dist = End Dist from Windward Edge
Cp_Max = Largest Coefficient Magnitude Cp_Min = Smallest Coefficient Magnitude
Pp_max = qh*G*Cp_max - qip*(+GCPi) Pn_max = qh*G*Cp_max - qin*(-GCpi)
Pp_min* = qh*G*Cp_min - qip*(+GCPi) Pn_min* = qh*G*Cp_min - qin*(-GCPi)
OH = Overhang X = Dir along Ridge Y = Dir Perpendcular to Ridge Z = Vertical
* The smaller uplift pressures due to Cp_Min can become critical when wind is combined with roof live load or snow load; load combinations are given in ASCE 7
+ Pressures Acting TOWARD Surface - Pressures Acting AWAY from Surface

Components And Cladding (C&C) Calculations per Ch 30 Part 1:





Gable Roof 27° < θ <= 45°

EHt	= Eave Height	=	15.200 ft
RHt	= Ridge Height	=	32.700 ft
h	= Mean Roof Height: 0.5*(EHt+RHt)	=	23.950 ft
Zh	= Shall not be less than 30 ft in Exp B [Table 30.3-1 Note 1]	=	30.000 ft
Kh	= Since 15 ft [4.572 m] < Zh < Zg --> 2.01 * (Zh/zg)^(2/Alpha)	=	0.701
Kzt	= Topographic Factor is 1 since no Topographic feature specified	=	1.000
Kd	= Wind Directionality Factor per Table 26.6-1	=	0.85
GCPi	= Ref Table 26.11-1 for Enclosed Building	=	+/-0.18
LF	= Load Factor based upon ASD Design	=	0.60
qh	= (0.00256 * Kh * Kzt * Kd * V^2) * LF	=	14.29 psf
LHD	= Least Horizontal Dimension: Min(B, L)	=	38.000 ft
a1	= Min(0.1 * LHD, 0.4 * h	=	3.800 ft
a	= Max(a1, 0.04 * LHD, 3 ft [0.9 m])	=	3.800 ft

Wind Pressures for C&C Ch 30 Pt 1
All wind pressures include a load factor of 0.6

Description	Zone	Width ft	Span ft	Area sq ft	1/3 Rule	Ref Fig	GCp Max	GCp Min	p Max psf	p Min psf
Zone 1	1	1.000	1.000	1.00	No	30.4-2C	0.900	-1.000	15.44	-16.86
Zone 2	2	1.000	1.000	1.00	No	30.4-2C	0.900	-1.200	15.44	-19.72
Zone 3	3	1.000	1.000	1.00	No	30.4-2C	0.900	-1.200	15.44	-19.72
Zone 4	4	1.000	1.000	1.00	No	30.4-1	1.000	-1.100	16.86	-18.29
Zone 5	5	1.000	1.000	1.00	No	30.4-1	1.000	-1.400	16.86	-22.58

Area = Span Length x Effective Width
1/3 Rule = Effective width need not be less than 1/3 of the span length
GCp = External Pressure Coefficients taken from Figures 30.4-1 through 30.4-7
p = Wind Pressure: qh*(GCp - GCpi) [Eqn 30.4-1]*
*Per Para 30.2.2 the Minimum Pressure for C&C is 9.60 psf [0.460 kPa] (Includes LF)

Components and Cladding (C&C) Overhang Calculations per Section 30.10:

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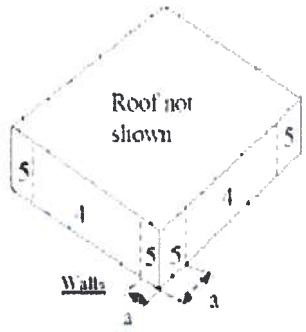

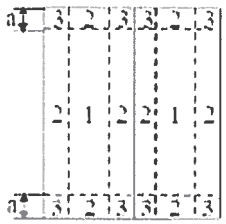

Gable Roof 27° < θ <= 45°

Wind Pressures for C&C per Section 30.10 & Figure 30.4-2
All wind pressures include a load factor of 0.6

Description	Zone	Width ft	Span Length ft	Area sq ft	1/3 Rule	Ref Fig	GCpi +/-	GCp Max	GCp Min	p Max psf	p Min psf
Zone 2_OH	2_OH	1.000	1.000	1.00	No	30.4-2C	0.00	0.000	-2.000	9.60	-28.58
Zone 2_OHS	2_OHS	1.000	1.000	1.00	No	30.4-2C	0.18	0.000	-2.000	9.60	-31.16
Zone 3_OH	3_OH	1.000	1.000	1.00	No	30.4-2C	0.00	0.000	-2.000	9.60	-28.58
Zone 3_OHS	3_OHS	1.000	1.000	1.00	No	30.4-2C	0.18	0.000	-2.000	9.60	-31.16

#_OH = Zone # on Overhang with Zero Internal Pressure (GCPi = 0)
#_OHS = Zone # on Overhang w/ Sofit w/ Buildings Internal Pressure (GCPi = +/-0.18)
Area = Span Length x Effective Width
1/3 Rule = Effective width need not be less than 1/3 of the span length
p = Wind Pressure: qh*(GCp - GCpi)*LF [Eqn 30.4-1]*
*Per Para 30.2.2 the Minimum Pressure for C&C is 9.60 psf [0.460 kPa] {Includes LF}
Values of GCp for overhangs include contributions from both upper and lower surfaces.

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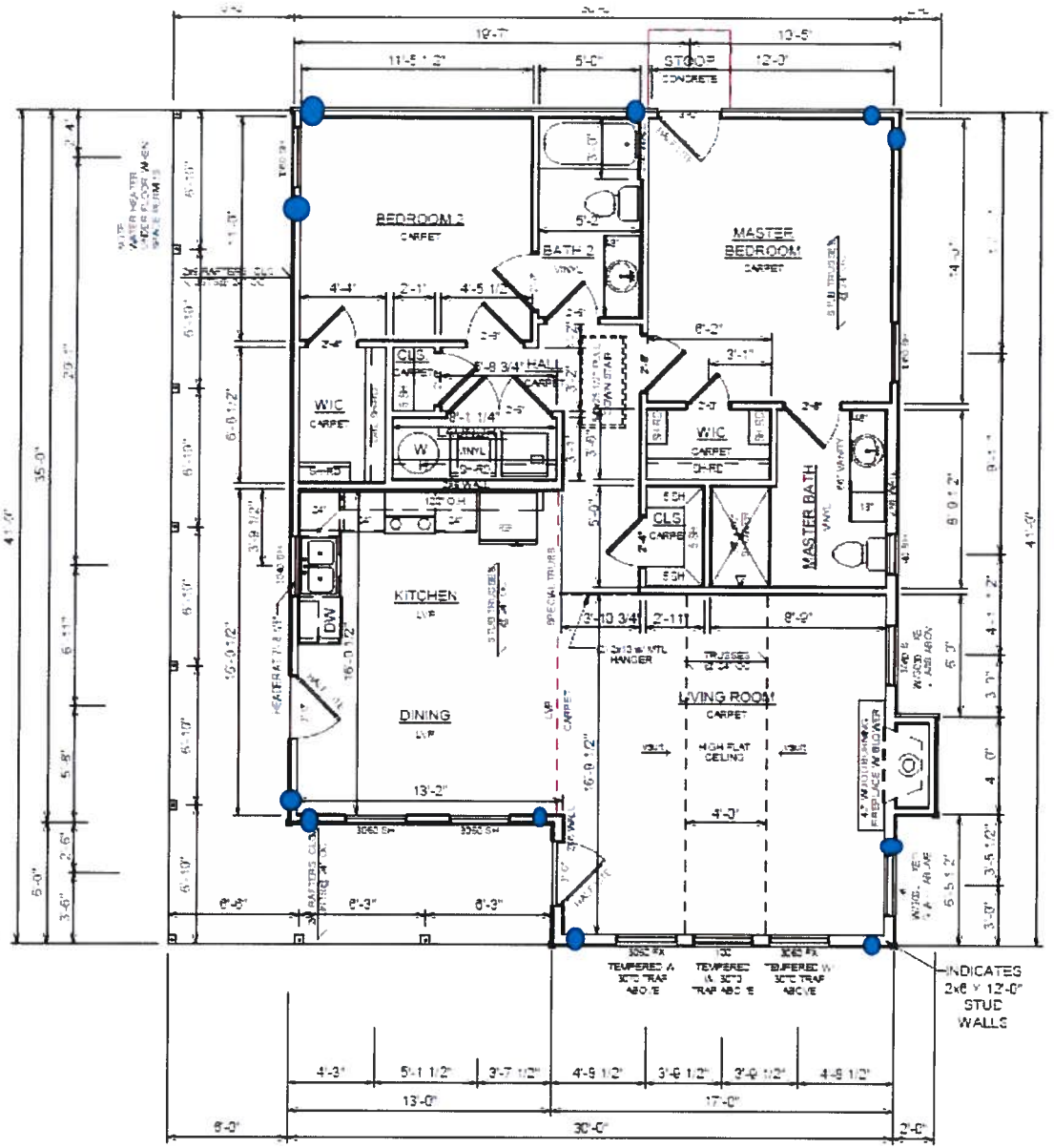
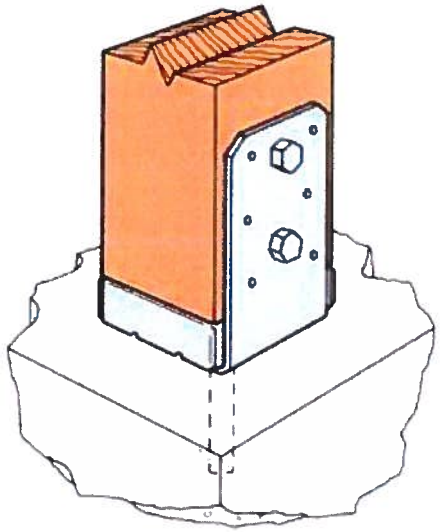
Indicates Simpson
HDU4SDS2.5 Holddown

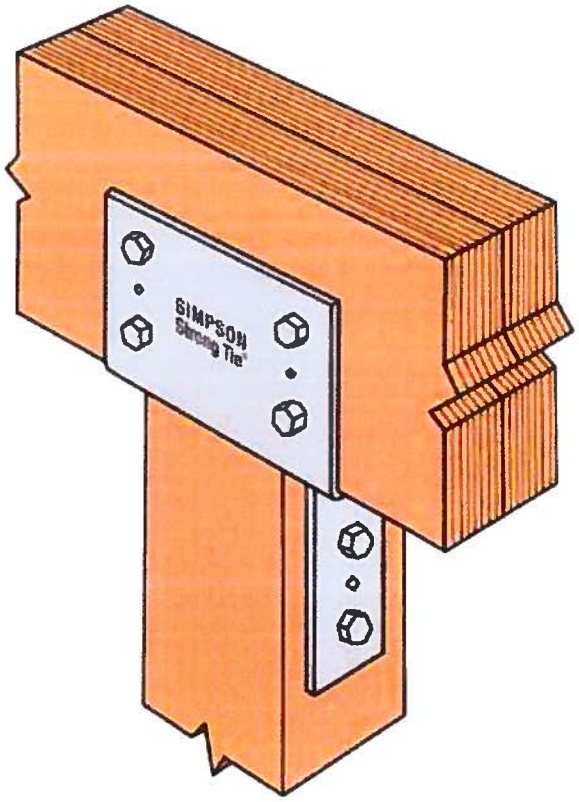


1 FIRST FLOOR PLAN

JAMES ZALESKI PE 51544 2305 HAVERHILL RD TALLAHASSEE, FL 32312 PH 850-766-7778 CASH RESIDENCE



ABU __Z BASE



Typical CC Installation

ALL WOOD POSTS USE SIMPSON ABUZ BASE AND SIMPSON CC CAP

JAMES ZALESKI PE 51544 2305 HAVERHILL RD TALLAHASSEE, FL 32312 PH 850-766-7778 CASH RESIDENCE

HEADER SIZE AND STRAPPING CHART

SPAN	HEADER SIZE	QUANTITY OF JACK STUDS AT EACH END	QUANTITY OF KING STUDS AT EACH END	STRAPPING TO JACK STUDS AT EACH END	STRAPPING TO KING STUDS AT EACH END
0'-0" TO 3'-6"	2 - 2X8" WITH ½" PLATE	1	1	NONE	1 SIMPSON SP4H
3-6" – 6'-6"	2 2X10" WITH ½" PLATE	2	1	1 SIMPSON MSTA24	1 SIMPSON SP4H
6'-6" – 9'-3"	2 -2X12" WITH ½" PLATE OR 4-2 X 10" WITH ½" PLATE	3	2	2 SIMPSON MSTA24	2 SIMPSON SP4H
9'-3" – 12'-0"	2- 1 ¾" X 9 ¼" LVL	3	2	2 SIMPSON MSTA24	2 SIMPSON SP4H
12'-0" – 16'-0"	2- 1 ¾" X 11 ¼" LVL	4	3	4 SIMPSON MSTA24	2 SIMPSON SP4H
16'-0" – 18'-6"	3- 1 ¾" X 9 ¼" LVL	4	3	4 SIMPSON MSTA24	2 SIMPSON SP4H

JACK AND KING STUDS ARE 2 X4 IN ALL CASES SHEATH ALL EXTERIOR WALLS WITH 7/16" OSB ALL STUDS OVER 10'-0" TO RECEIVE 1 ROW OF BLOCKING

WALL BRACING PANEL SPECIFICATIONS

SEE STUD SPACING ABOVE

EXTERIOR PANELS – 7/16" OSB SHEATHING

MIN NAIL PENETRATION IN FRAMING - 1 -1/2"

NAIL TYPE 8D COMMON

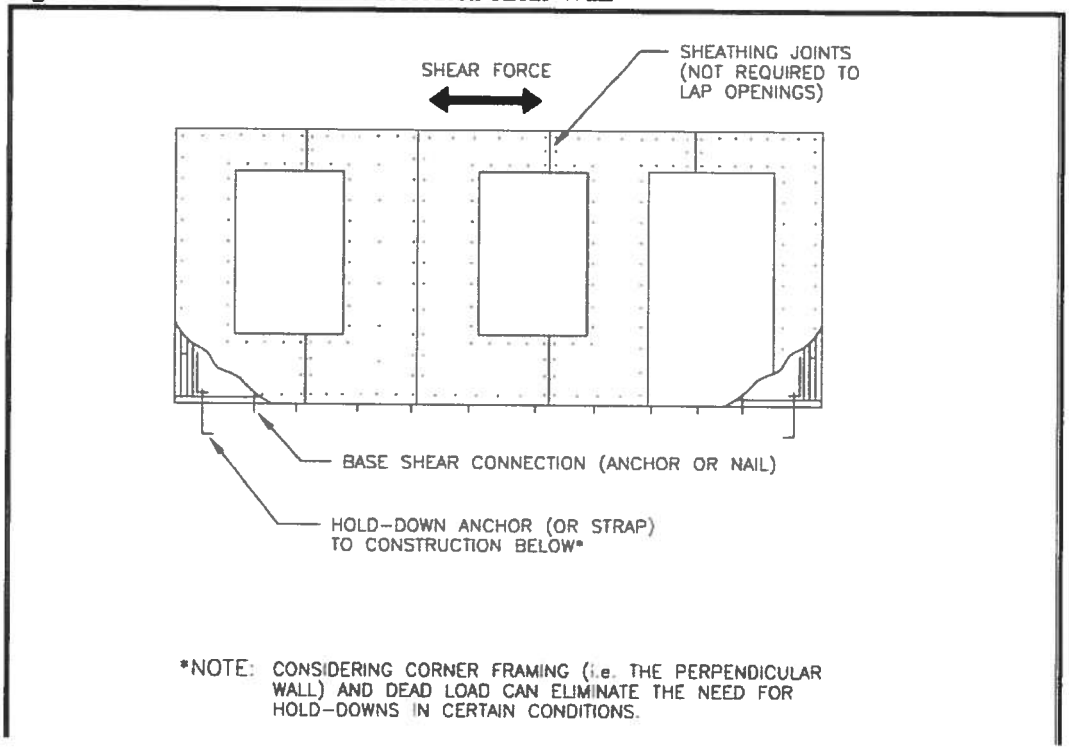
All lumber grade 1

SIMPSON STRONG TIE HH4 HEADER HANGERS OR EQUAL SHOULD BE PROVIDED ON BEARINGS WALLS OR OPENINGS OVER 6'-0"

2-14-11

JAMES ZALESKI P.E 51544
2305 HAVERHILL RD TALLAHASSEE, FL 32312 PH 850-766-7778

Figure 5. Illustration of a Basic Perforated Shear Wall



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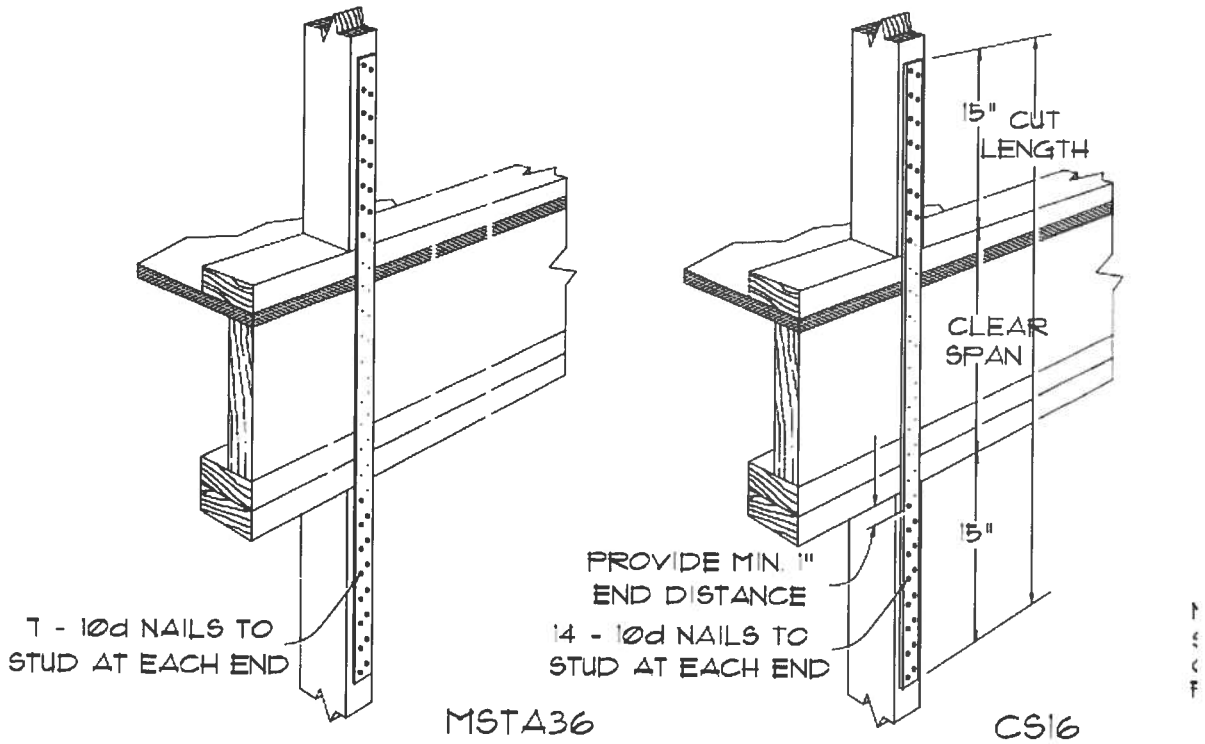

SIMPSON MSTA36/CS16 STRAP

Where required for Cont Loadpath from 1st to second floor –

AT EACH CORNER AND 48" O.C

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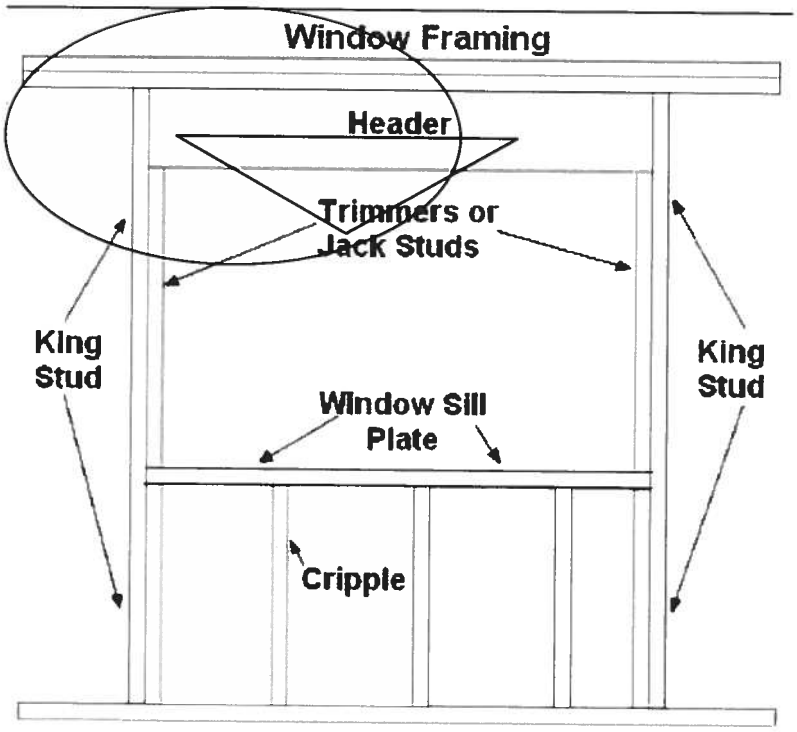

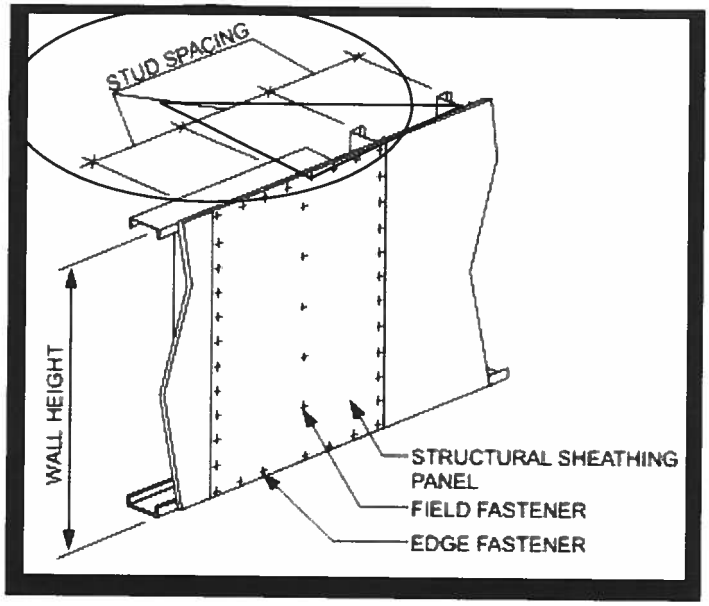

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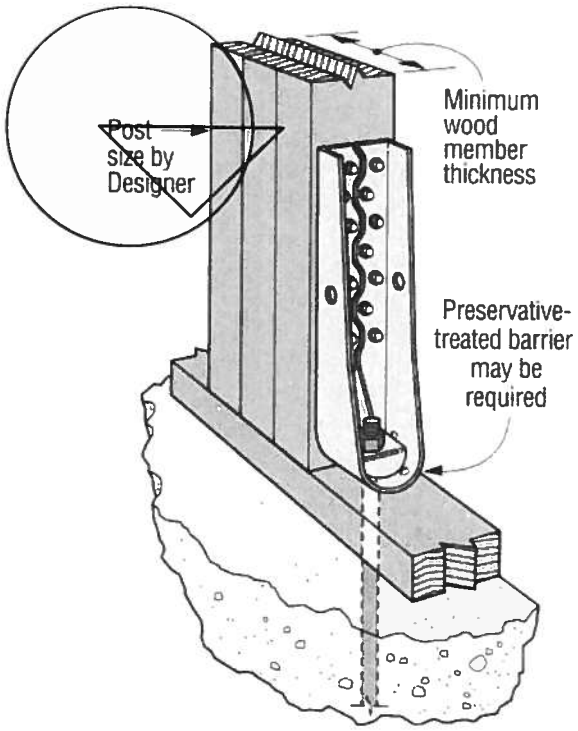

Vertical HDU Installation

Model No.	Ga.	Dimensions (in.) W	H	B	C	SO	Fasteners: Anchor Bolt Dia. (in.)	Fasteners: Post Fasteners	Minimum Wood Member Thickness (in.)	Allowable Tension Loads (160)[1]: DF/SP	SPF/HF	Deflection at Allowable Load (in.)
DTT1Z	14	1½	7⅛	1⅜	¾	⅜	⅜	(6) SD #9 x 1½"	1½	840	840	0.170
								(6) 10d x 1½"		910	640	0.167
								(8) 10d x 1½"		910	850	0.167
SS DTT2Z	14	3¼	6¹⁵⁄₁₆	1⅝	¹³⁄₁₆	⅜	½	(8) ¼" x 1½" SDS	1½	1,825	1,800	0.105
								(8) ¼" x 1½" SDS	3	2,145	1,835	0.128
SS DTT2Z-SDS2.5								(8) ¼" x 2½" SDS	3	2,145	2,105	0.128
HDU2-SDS2.5	14	3	8¹⁄₁₆	3¼	1⅝	1⅜	⅝	(6) ¼" x 2½" SDS	3	3,075	2,215	0.088
HDU4-SDS2.5	14	3	10¹⁵⁄₁₆	3¼	1⅝	1⅜	⅝	(10) ¼" x 2½" SDS	3	4,565	3,285	0.114
HDU5-SDS2.5	14	3	13³⁄₁₆	3¼	1⅝	1⅜	⅝	(14) ¼" x 2½" SDS	3	5,645	4,065	0.115
HDU8-SDS2.5	10	3	16⅝	3½	1⅜	1½	⅞	(20) ¼" x 2½" SDS	3	6,765	4,870	0.110
									3½	6,970	5,020	0.116
									4½	7,870	5,665	0.113
HDU11-SDS2.5	10	3	22¼	3½	1⅜	1½	1	(30) ¼" x 2½" SDS	5½	9,535	6,865	0.137
									7¼	11,175	8,045	0.137
HDU14-SDS2.5	7	3	25¹⁵⁄₁₆	3½	1⅝	1⅝	1	(36) ¼" x 2½" SDS	4x6[2,4]	10,770	7,755	0.122
									7¼[3]	14,390	10,435	0.177
									5½[2,3]	14,445	10,350	0.172

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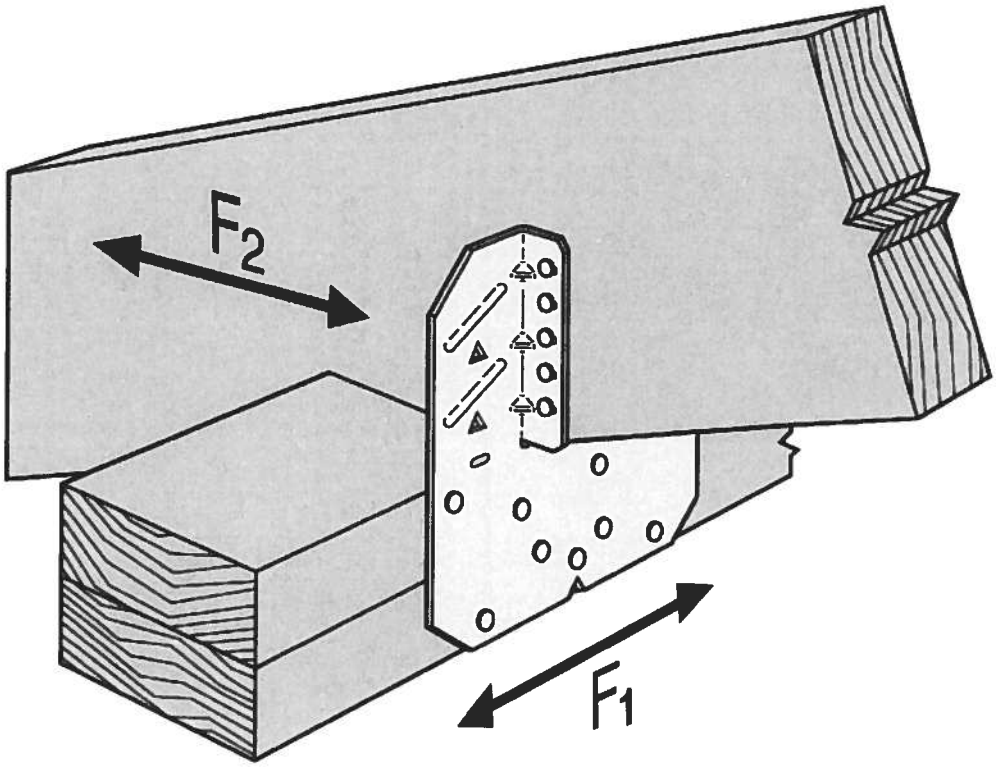
Shear Panel Capacity 209.1 PLF Shear Walls and Exterior Walls

Interior Panel Grade	Gypsum Wallboard (Green)	
Minimum Panel Thickness (inch)	1/2 In	
Wall Construction	Unblocked	
Nail Spacing - Edge	7 In O c	
Nail Spacing - Intermediate	12 In O c	
Minimum Nail Size	5d Cooler	
	Or wallboard screws	
Total Panel Shear Capacity	**Plf**	**209.1**



H10A Installation

2-14-18

James Zaleski PE 51544 2305 HAVERHILL RD TALLAHASSEE,FL 32312

Figure 3.7a Ceiling Bracing Gable Endwall

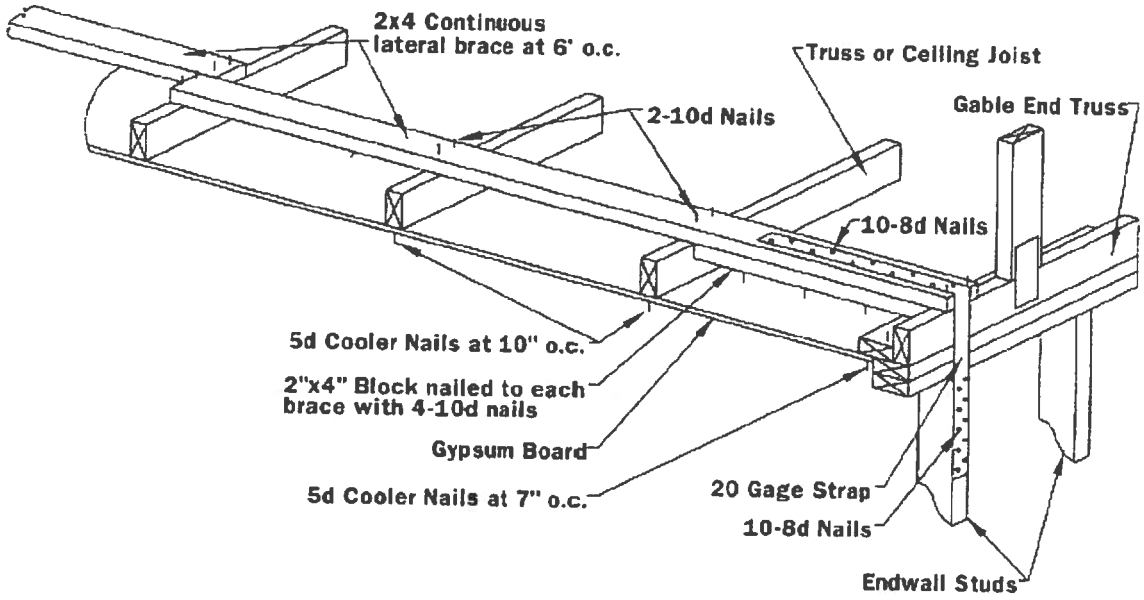
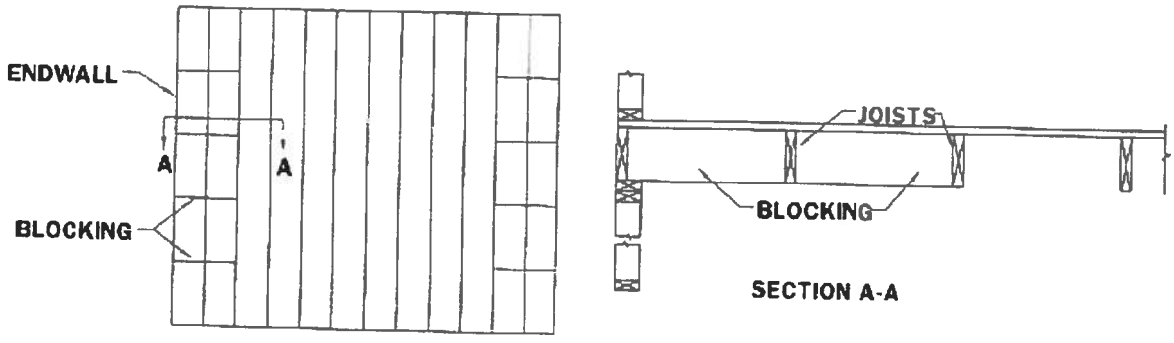


Figure 3.7b Floor Bracing Endwall



wrightsoft

Project Summary
Entire House
Waller Heating and Air Cond.

Job:
Date: Feb 27, 2019
By:

405 N. St.Augustine Rd., Valdosta, GA 31601 Phone: 229-244-1200

Project Information

For: America's Home Place, Timothy Cash

Notes:

Design Information

Weather: Gainesville Regional AP, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	***97***	°F
Inside db	75	°F
Design TD	22	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	39	gr/lb

Heating Summary

Structure	14954	Btuh
Ducts	3412	Btuh
Central vent (0 cfm) (none)	0	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	18367	Btuh

Sensible Cooling Equipment Load Sizing

Structure	16605	Btuh
Ducts	4460	Btuh
Central vent (0 cfm) (none)	0	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	1.02	
Equipment sensible load	21486	Btuh

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	0

	Heating	Cooling
Area (ft²)	1092	1092
Volume (ft³)	11378	11378
Air changes/hour	0.20	0.11
Equiv. AVF (cfm)	38	21

Latent Cooling Equipment Load Sizing

Structure	1753	Btuh
Ducts	521	Btuh
Central vent (0 cfm) (none)	0	Btuh
Equipment latent load	2274	Btuh
Equipment Total Load (Sen+Lat)	23760	Btuh
Req. total capacity at 0.70 SHR	2.6	ton

Heating Equipment Summary

Make		
Trade		
Model		
AHRI ref		
Efficiency	0	HSPF
Heating input		
Heating output	0	Btuh @ 47°F
Temperature rise	0	°F
Actual air flow	1200	cfm
Air flow factor	0.065	cfm/Btuh
Static pressure	0.20	in H2O
Space thermostat		

Capacity balance point = 0 °F

Backup:
Input = 6 kW, Output = 19929 Btuh, 100 AFUE

Cooling Equipment Summary

Make		
Trade		
Cond		
Coil		
AHRI ref		
Efficiency	0	SEER
Sensible cooling	0	Btuh
Latent cooling	0	Btuh
Total cooling	0	Btuh
Actual air flow	***1200***	cfm
Air flow factor	0.057	cfm/Btuh
Static pressure	0.20	in H2O
Load sensible heat ratio	0.90	

Bold/italic values have been manually overridden

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

FORM R405-2014

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	America's Home Pl (Timothy Cash)	Builder Name:	
Street:		Permit Office:	
City, State, Zip:	, FL ,	Permit Number:	
Owner:	Timothy Cash	Jurisdiction:	
Design Location:	FL, ~~Gainesville~~ Fort White	County::	Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)	9. Wall Types (1278.0 sqft.)	Insulation	Area
2. Single family or multiple family	Single-family	a. Frame - Wood, Exterior	R=13.0	1278.00 ft²
3. Number of units, if multiple family	1	b. N/A	R=	ft²
4. Number of Bedrooms	2	c. N/A	R=	ft²
5. Is this a worst case?	No	d. N/A	R=	ft²
6. Conditioned floor area above grade (ft²)	1151	10. Ceiling Types (1151.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft²)	0	a. Under Attic (Vented)	R=30.0	1151.00 ft²
7. Windows(245.0 sqft.)	Description / Area	b. N/A	R=	ft²
a. U-Factor: SHGC:	Dbl, U=0.35 SHGC=0.29 / 245.00 ft²	c. N/A	R=	ft²
b. U-Factor: SHGC:	N/A / ft²	11. Ducts	R	ft²
c. U-Factor: SHGC:	N/A / ft²	a. Sup: Attic, Ret: Attic, AH: Main	8	230.2
d. U-Factor: SHGC:	N/A / ft²	12. Cooling systems	kBtu/hr	Efficiency
Area Weighted Average Overhang Depth:	0.000 ft.	a. Central Unit	36.0	SEER:14.00
Area Weighted Average SHGC:	0.290	13. Heating systems	kBtu/hr	Efficiency
8. Floor Types (1151.0 sqft.)	Insulation / Area	a. Electric Heat Pump	36.0	HSPF:8.50
a. Slab-On-Grade Edge Insulation	R=0.0 / 1151.00 ft²	14. Hot water systems		
b. N/A	R= / ft²	a. Electric		Cap: 40 gallons
c. N/A	R= / ft²	b. Conservation features		EF: 0.960
		None		
		15. Credits		Pstat

Glass/Floor Area: 0.213

Total Proposed Modified Loads: 42.99

Total Baseline Loads: 43.33

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Ch. Gill

DATE: 3/5/19

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.2.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and starting July 1, 2017 this project requires an envelope leakage test report with envelope leakage no greater than 5.0 ACH50 (R402.4.1.2).

- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with Section 803 of RESNET Standards, is not greater than 0.000 Qn for whole house.

PROJECT

Title:	America's Home Pl (Timothy	Bedrooms:	2	Address Type:	Street Address
Building Type:	User	Conditioned Area:	3080	Lot #	
Owner:	Timothy Cash	Total Stories:	1	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	1151	10359

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1151	10359	Yes	4	2	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	Main	142 ft		1151 ft²	----	0	0	1

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
____	1	Gable or shed	Composition shingles	1247 ft²	240 ft²	Medium	0.96	No	0.9	No	0	22.6

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	300	1151 ft²	Y	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	Main	30	Blown	1151 ft²	0.11	Wood

FORM R405-2014

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____	1	N	Exterior	Frame - Wood	Main	13	41		9		369.0 ft²		0.23	0.75	0
____	2	E	Exterior	Frame - Wood	Main	13	30		9		270.0 ft²		0.23	0.75	0
____	3	S	Exterior	Frame - Wood	Main	13	41		9		369.0 ft²		0.23	0.75	0
____	4	W	Exterior	Frame - Wood	Main	13	30		9		270.0 ft²		0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
____	1	N	Insulated	Main	None	.46	3		6	8	20 ft²
____	2	S	Insulated	Main	None	.46	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	N	1	Vinyl	Double (Tinted)	Yes	0.35	0.29	30.0 ft²	0 ft 0 in	0 ft 0 in	Drapes/blinds	None
____	2	S	3	Vinyl	Double (Tinted)	Yes	0.35	0.29	62.0 ft²	0 ft 0 in	0 ft 0 in	Drapes/blinds	None
____	3	W	4	Vinyl	Double (Tinted)	Yes	0.35	0.29	153.0 ft²	0 ft 0 in	0 ft 0 in	Drapes/blinds	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	863.3	47.39	89.13	.2202	5

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
____	1	Electric Heat Pump	None	HSPF:8.5	36 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
____	1	Central Unit	None	SEER: 14	36 kBtu/hr	1080 cfm	0.75	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
____	1	Electric	None	Main	0.96	40 gal	50 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
____	None	None			ft²		

FORM R405-2014

DUCTS

✓	#	Supply Location	Supply R-Value	Supply Area	Return Location	Return Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
_____	1	Attic	8	230.2 ft	Attic	57.55 ft	Proposed Qn	Main	--- cfm	0.0 cfm	0.00	0.50	1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]
Venting	[ ]	[ ]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

FORM R405-2014

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 99

The lower the EnergyPerformance Index, the more efficient the home.

, , FL,

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		2
5. Is this a worst case?		No
6. Conditioned floor area (ft²)		3080
7. Windows**	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.35 SHGC=0.29	245.00 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
Area Weighted Average Overhang Depth:		0.000 ft.
Area Weighted Average SHGC:		0.290

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1151.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1278.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1151.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Main	8	230.2

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	36.0	SEER:14.00
13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	36.0	HSPF:8.50
14. Hot water systems		
a. Electric		Cap: 40 gallons
		EF: 0.96
b. Conservation features		
None		
15. Credits		Pstat

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST

Florida Department of Business and Professional Regulation
Simulated Performance Alternative (Performance) Method

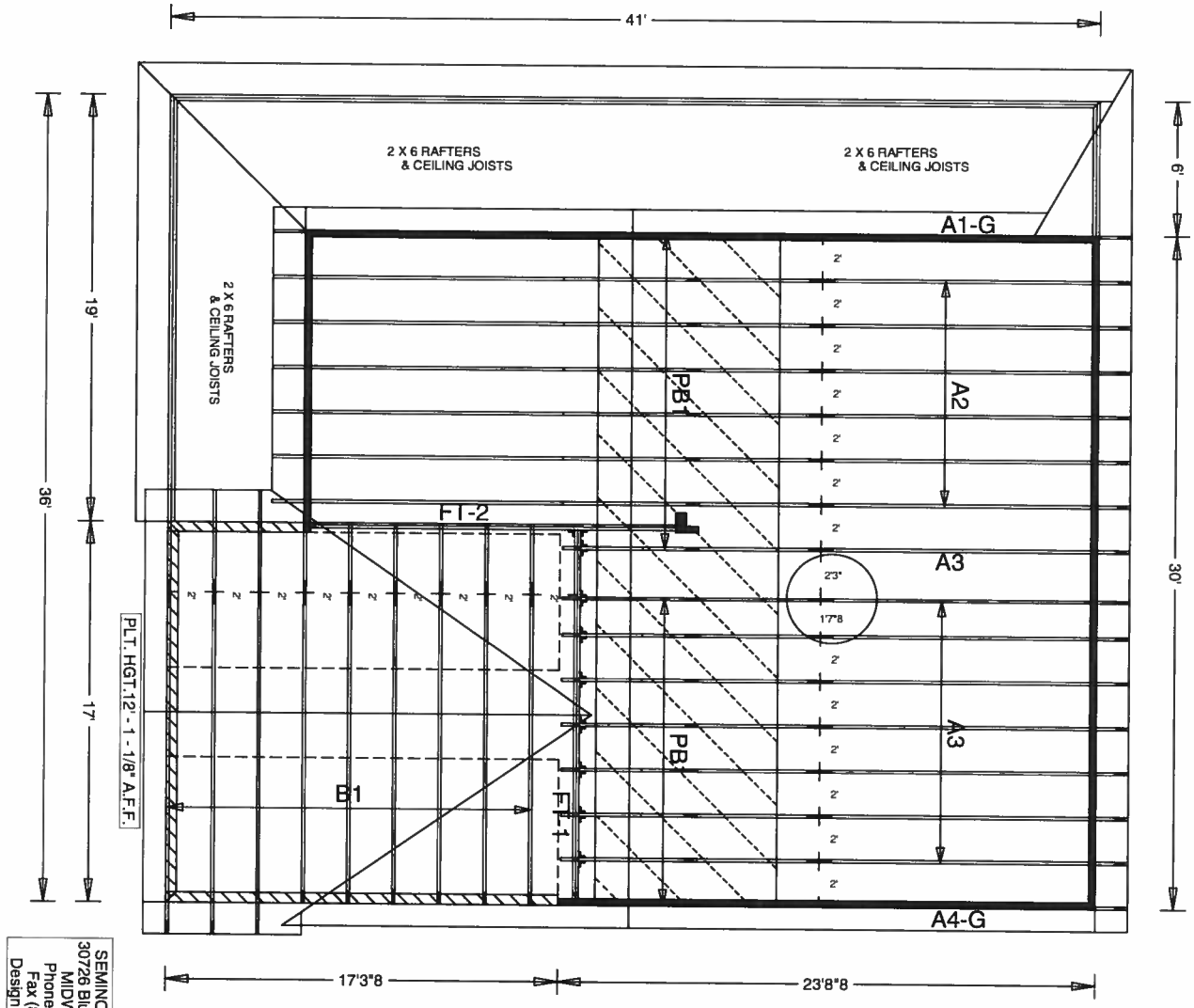
Applications for compliance with the 2014 Florida Building Code, Energy Conservation via the residential Simulated Performance method shall include

- ☐ *This checklist*
- ☐ *A Form R405 report that documents that the Proposed Design complies with Section R405.3 of the Florida Energy Code. This form shall include a summary page indicating home address, e-ratio and the pass or fail status along with summary areas and types of components, whether the home was simulated as a worst-case orientation, name and version of the compliance software tool, name of individual completing the compliance report (1 page) and an input summary checklist that can be used for field verification (usually 4 pages/may be greater).*
- ☐ *Energy Performance Level (EPL) Display Card (one page)*
- ☐ *Mandatory Requirements(three pages)*

Required prior to CO for the Performance Method:

- ☐ *Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)*
- ☐ *A completed Envelope Leakage Test Report(usually one page)*
- ☐ *If Form R405 duct leakage type indicates anything other than "default leakage", then a completed Form R405 Duct Leakage Test Report (usually one page)*

ALL WALLS SHOWN TO BE BEARING
AMERICA'S HOME PLACE, INC.
CASH-RESIDENCE ~ UNION



SEMINOLE TRUSSES INC.
30726 Bluestar Memorial Hwy.
MIDWAY FL 32343
Phone (850) 575-0102
Fax (850) 575-4413
Design By Robert J. Little

PAGE NO: 1 OF 1	JOB NO: Z28197	Job Name: CASH RESIDENCE Customer: America's Home Place Designer: ROBERT J. LITTLE PlanName: UNION Created : 03-09-2019 SemRef# : Z28197

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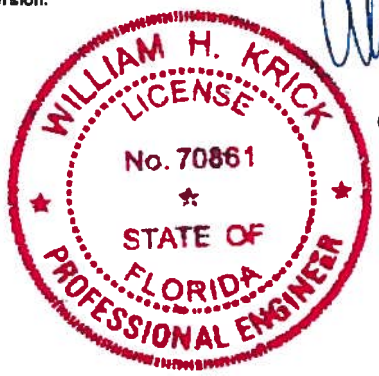

COA #0 278
03/06/2019

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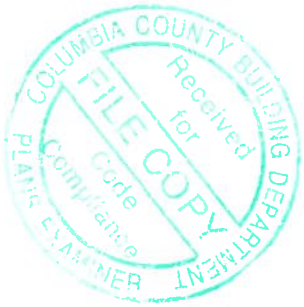


Site Information:	Page 1:
Customer: Seminole Trusses, Inc.	*Job Number:* Z28197
Job Description: -CASH RESIDENCE America's Home Place	
Address: FL	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*View Version:* 18.02.01.0205.20 *JRef #:* 1WJ68570002
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130	*Roof Load (pdf):* 20.00- 7.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 8 truss drawing(s) and 4 detail(s).

Item	Seal #	Truss
1	065.19.1443.47307	A1-G 35' Gable
3	065.19.1443.51697	A3 22'9"12 Common
5	065.19.1443.55827	B1 17' Common
7	065.19.1444.33243	FT-2

Item	Seal #	Truss
2	065.19.1443.50047	A2 35' Common
4	065.19.1443.53870	A4-G 22'9"12 Gable
6	065.19.1444.18250	FT-1 16'9" Flat Girder
8	065.19.1444.45427	PB1 6' Common

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:
The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AF&PA. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:
Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:
The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

Connector Plate Information:
Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

General Notes (continued)

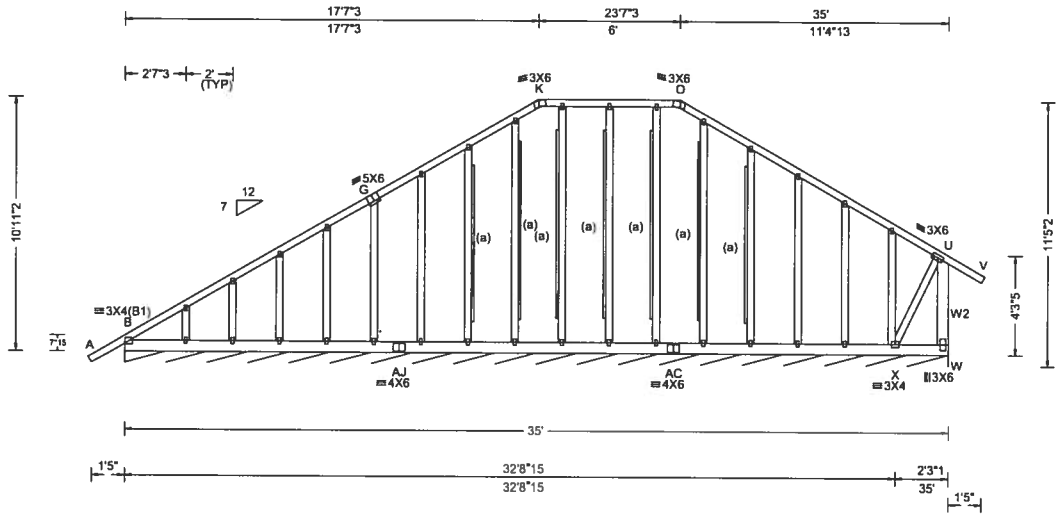
Key to Terms:
Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.
HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.
HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.
L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.
L/defl = ratio of Length between bearings, in inches, divided by the immediate vertical Deflection, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.
Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.
Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.
Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.
NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.
PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.
PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds
PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.
PP = Panel Point.
R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).
Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square foot.
U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.
Uppercase Acronyms not explained above are as defined in TPI 1.

References:
1. AF&PA: American Forest & Paper Association, 1111 19th Street, NW, Suite 800, Washington, DC 20036; www.afandpa.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; www.alpineitw.com.
4. TPI: Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, VA 22314; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.co

SEQN: 882381 GABL FROM: RJL	Ply: 1 Qty: 1	**Job Number:** Z28197 -CASH RESIDENCE America's Home Place **Truss Label:** A1-G 35' Gable	Cust: R 857 JRef:1WJ68570002 T7 DrwNo: 065.19.1443.47307 SSB / AHF 03/06/2019	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.50 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Code / Misc Criteria** Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 O 999 360 VERT(CL): 0.008 O 999 240 HORZ(LL): -0.004 J - - HORZ(TL): 0.006 Q - - Creep Factor: 2.0 Max TC CSI: 0.181 Max BC CSI: 0.048 Max Web CSI: 0.101 VIEW Ver: 18.02.01A.0205.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
W*	135	/-	/-	/47	/12	/10

Wind reactions based on MWFRS
W Brg Width = 420 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #1
Bot chord 2x6 SP #1
Webs 2x4 SP #1 :W2 2x6 SP #1:

Bracing

(a) 1x4 #3SRB SPF-S or better "L" reinforcement. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-5-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical exposed to wind pressure.
Deflection meets L/360.

Additional Notes

Refer to General Notes for additional information

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

COA #0278

03/06/2019

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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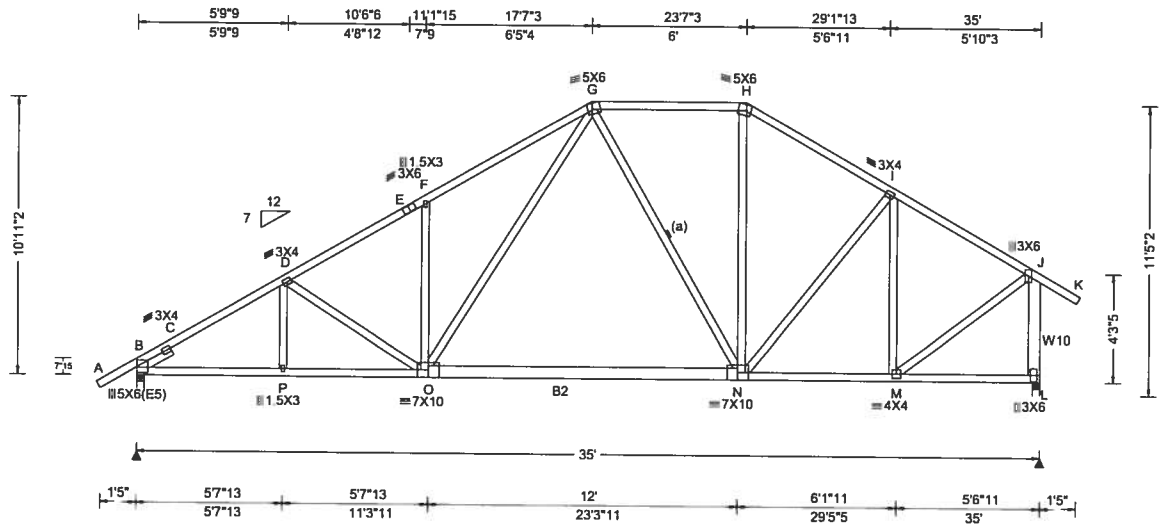
Orlando FL, 32821

SEQN: 882343 COMN FROM: RJL	Ply: 1 Qty: 6	**Job Number:** Z28197 -CASH RESIDENCE America's Home Place **Truss Label:** A2 35' Common	Cust: R 857 JRef:1WJ68570002 T2 DrwNo: 065.19.1443.50047 SSB / AHF 03/06/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	0.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.2 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.50 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.099	F	999	360
VERT(CL): 0.166	F	999	240
HORZ(LL): 0.033	F	-	-
HORZ(TL): 0.056	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.380
Max BC CSI: 0.870
Max Web CSI: 0.500

VIEW Ver: 18.02.01A.0205.20

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1589	/-	/-	/774	/83	/198
L	1649	/-	/-	/714	/89	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.9
L Brg Width = 3.5 Min Req = 1.9
Bearings B & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	363	-2448	F - G	449	-2186
C - D	343	-2410	G - H	306	-1226
D - E	344	-2178	H - I	321	-1490
E - F	347	-2042	I - J	245	-1303

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2016	-290	O - N	1306	-132
P - O	2015	-290	N - M	1078	-127

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - G	982	-174	M - J	1276	-148
N - H	397	-46	J - L	314	-1596
I - M	114	-598			

Lumber

Top chord 2x4 SP #1
Bot chord 2x4 SP #1 :B2 2x6 SP #1:
Webs 2x4 SP #1 :W10 2x6 SP #1:
:Lt Slider 2x4 SP #1: BLOCK LENGTH = 1.500'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

COA #0878

03/06/2019

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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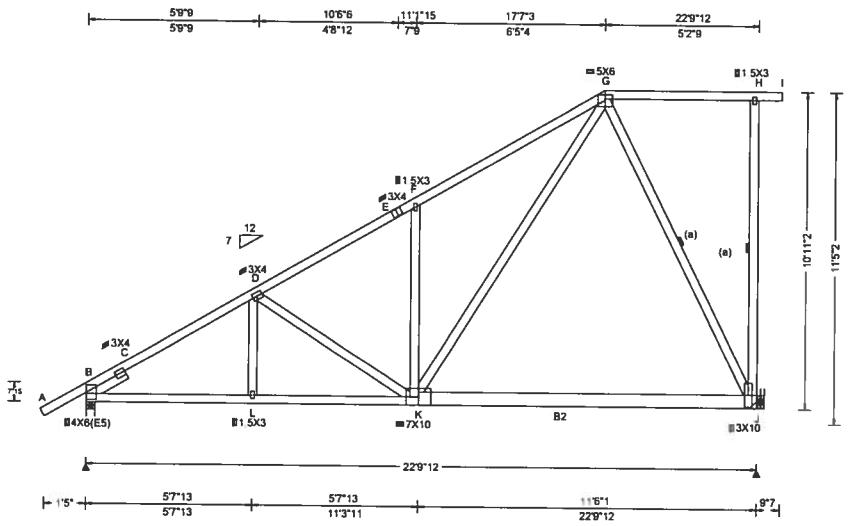
Orlando FL, 32821

SEQN: 882347 COMN FROM: RJL	Ply: 1 Qty: 8	**Job Number:** Z28197 -CASH RESIDENCE America's Home Place **Truss Label:** A3 22'9"12 Common	Cust: R 857 JRef: 1WJ68570002 T11 DrwNo: 065.19.1443.51697 SSB / AHF 03/06/2019	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 0.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.2 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.046	F	999	360
VERT(CL): 0.077	F	999	240
HORZ(LL): 0.022	C	-	-
HORZ(TL): 0.036	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.482
Max BC CSI: 0.772
Max Web CSI: 0.645

VIEW Ver: 18.02.01A.0205.20

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1023	/-	/-	/558	/13	/216
J	1119	/-	/-	/484	/105	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
J Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	250	- 1418	E - F	123	- 976
C - D	140	- 1381	F - G	256	- 1139
D - E	120	- 1112			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	1140	- 376	L - K	1139	- 377

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
F - K	214	- 376	G - J	264	- 773
K - G	1070	- 275			

Lumber

Top chord 2x4 SP #1
Bot chord 2x4 SP #1 :B2 2x6 SP #1:
Webs 2x4 SP #1
:Lt Slider 2x4 SP #1: BLOCK LENGTH = 1.500'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

COA #0[illegible]78

03/06/2019

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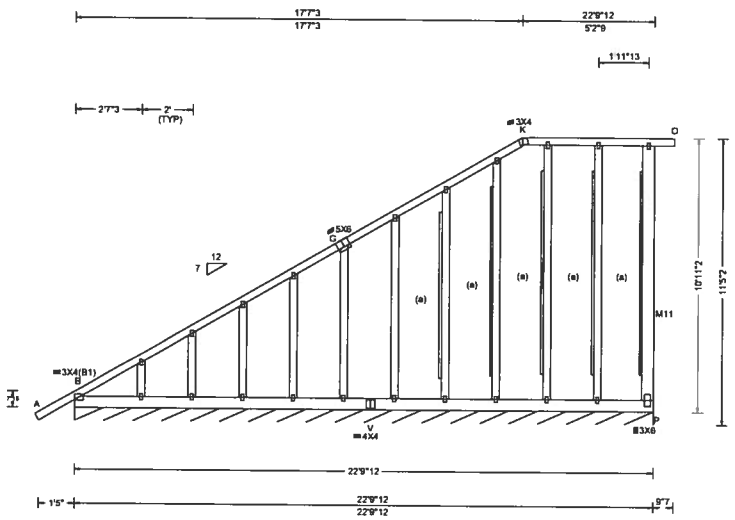
SEQN: 882376 GABL FROM: RJL	Ply: 1 Qty: 1	**Job Number:** Z28197 -CASH RESIDENCE America's Home Place **Truss Label:** A4-G 22'9"12 Gable		Cust: R 857 JRef: 1WJ68570002 T8 DrwNo: 065.19.1443.53870 SSB / AHF 03/06/2019



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Code / Misc Criteria** Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 K 999 360 VERT(CL): 0.009 K 999 240 HORZ(LL): -0.007 K - - HORZ(TL): 0.010 K - - Creep Factor: 2.0 Max TC CSI: 0.181 Max BC CSI: 0.070 Max Web CSI: 0.101 VIEW Ver: 18.02.01A.0205.20	Gravity / Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P* 135 /- /- /55 /12 /14 Wind reactions based on MWFRS P Brg Width = 273 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp. B - G 67 -503 **Maximum Bot Chord Forces Per Ply (lbs)** Chords Tens.Comp. B - V 531 -93

Lumber

Top chord 2x4 SP #1
Bot chord 2x6 SP #1
Webs 2x4 SP #1 :M11 2x6 SP #1:

Bracing

(a) 1x4 #3SRB SPF-S or better "L" reinforcement. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-5-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

COA #0278

03/06/2019

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

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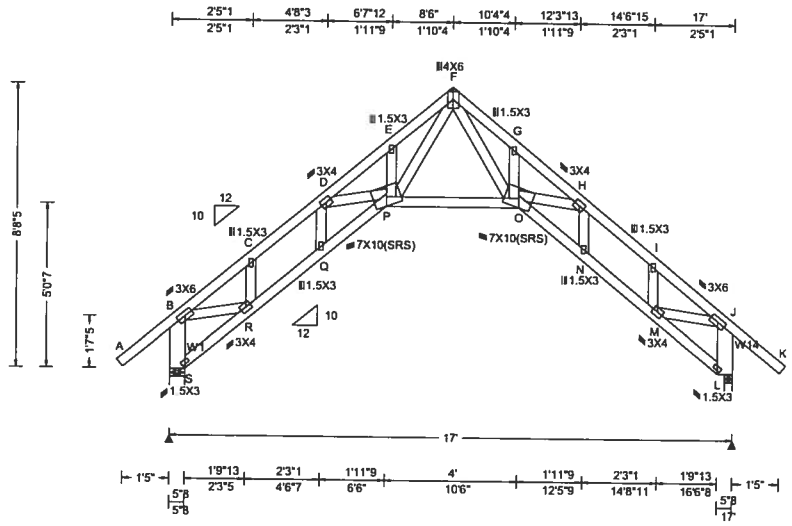
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 882383 COMN FROM: RJL	Ply: 1 Qty: 9	**Job Number:** Z28197 -CASH RESIDENCE America's Home Place **Truss Label:** B1 17' Common	Cust: R 857 JRef: 1WJ68570002 T5 DrwNo: 065.19.1443.55827 SSB / AHF 03/06/2019	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 0.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.58 ft
TCDL: 4.2 psf
BCDL: 5.2 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.162	E	999	360
VERT(CL): 0.313	E	616	240
HORZ(LL): 0.282	L	-	-
HORZ(TL): 0.547	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.422
Max BC CSI: 0.711
Max Web CSI: 0.204

VIEW Ver: 18.02.01A.0205.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
S	780	/-	/-	/438	/34	/197
L	780	/-	/-	/438	/34	/-

Wind reactions based on MWFRS
S Brg Width = 5.5 Min Req = 5.5
L Brg Width = 3.0 Min Req = 3.0
Bearings S & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	47	-1177	F - G	0	-1931
C - D	77	-1341	G - H	0	-1860
D - E	77	-1860	H - I	91	-1341
E - F	106	-1931	I - J	48	-1177

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	1054	-249	O - N	1261	0
Q - P	1261	-233	N - M	1054	0
P - O	771	-63			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - S	158	-706	F - O	1338	0
B - R	1201	-13	O - H	579	-47
C - R	27	-405	M - I	43	-405
D - P	579	0	M - J	1201	0
P - F	1338	-167	L - J	130	-706

Lumber

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #1 :W1, W14 2x6 SP #1:

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information
Shim all supports to solid bearing.

COA #0778

03/06/2019

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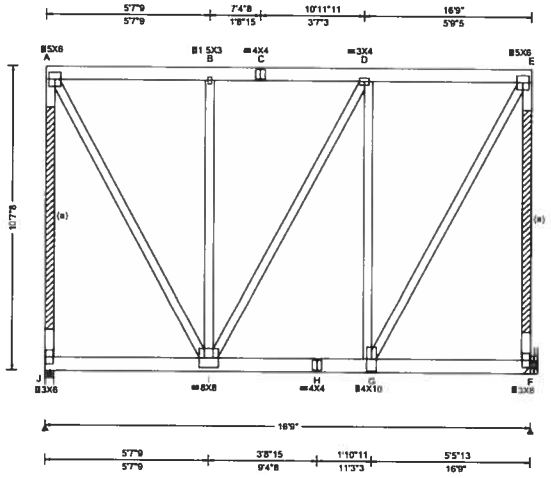
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 882370 FLAT FROM: RJL	Ply: 2 Qty: 1	**Job Number:** Z28197 -CASH RESIDENCE America's Home Place **Truss Label:** FT-1 16'9" Flat Girder	Cust: R 857 JRef:1WJ68570002 T3 DrwNo: 065.19.1444.18250 SSB / AHF 03/06/2019

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 0.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 19.72 ft
TCDL: 4.2 psf
BCDL: 5.2 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.043	B	999	360
VERT(CL): 0.080	B	999	240
HORZ(LL): 0.007	A	-	-
HORZ(TL): 0.013	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.084
Max BC CSI: 0.966
Max Web CSI: 0.684

VIEW Ver: 18.02.01A.0205.20

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	4763	/-	/-	/-	/382	/158
F	5431	/-	/-	/-	/541	/-

Wind reactions based on MWFRS
J Brg Width = 3.5 Min Req = 2.8
F Brg Width = - Min Req = -
Bearing J is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	123	-1064	C - D	123	-1064
B - C	123	-1064	D - E	109	-1067

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	1071	-111	H - G	1071	-111

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	162	-1989	G - E	2247	-231
A - I	2196	-171	E - F	215	-2047

Lumber
Top chord 2x6 SP #1
Bot chord 2x6 SP #1
Webs 2x4 SP #1

Bracing
(a) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads
——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 54 plf at 0.00 to 54 plf at 16.75
BC: From 20 plf at 0.00 to 20 plf at 16.75
BC: 1119 lb Conc. Load at 2.06, 4.06, 6.06, 8.06 10.06,12.06,13.69,15.94

Hangers / Ties
(J) Hanger Support Required, by others

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data,including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.

Wind
Wind loads and reactions based on MWFRS.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Right end vertical not exposed to wind pressure.

Additional Notes
Refer to General Notes for additional information
Truss must be installed as shown with top chord up.

COA #0278

03/06/2019

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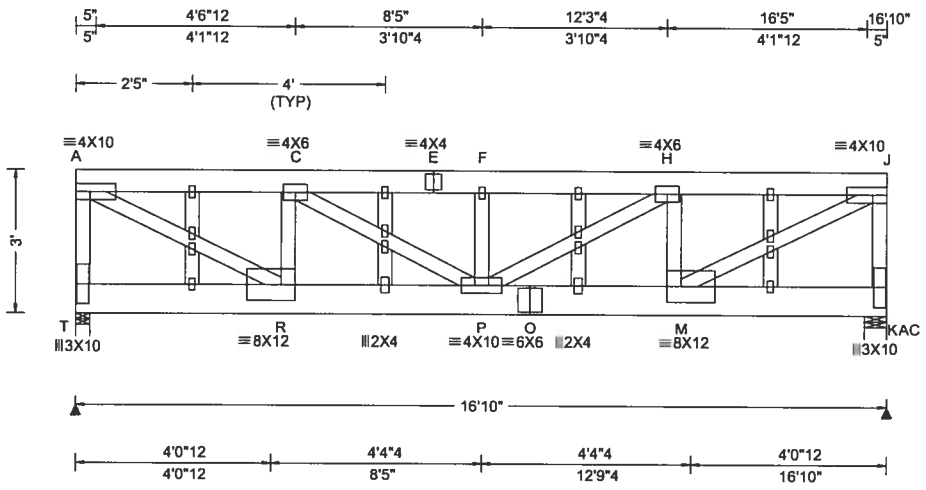
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 882372 GABL FROM: RJL	Ply: 2 Qty: 1	**Job Number:** Z28197 -CASH RESIDENCE America's Home Place **Truss Label:** FT-2	Cust: R 857 JRef: 1WJ68570002 T1 DrwNo: 065.19.1444.33243 SSB / AHF 03/06/2019	

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 0.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.2 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.081	N	999	360
VERT(CL): 0.149	N	999	240
HORZ(LL): 0.015	A	-	-
HORZ(TL): 0.027	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.231
Max BC CSI: 0.493
Max Web CSI: 0.661

VIEW Ver: 18.02.01A.0205.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	2162	/-	/-	/292	/197	/-
AC	4515	/-	/-	/292	/431	/-

Wind reactions based on MWFRS
T Brg Width = 3.5 Min Req = 1.5
AC Brg Width = 5.5 Min Req = 2.3
Bearings T & AC are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - C	156	-1696	F - H	300	-3182
C - E	300	-3182	H - J	359	-3729
E - F	300	-3182			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - P	1805	-168	O - M	3708	-357
P - O	3708	-357			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - T	99	-1020	P - H	69	-645
A - R	1956	-180	M - J	4299	-413
R - C	99	-926	J - K	216	-2197
C - P	1637	-158			

Lumber
Top chord 2x6 SP #1
Bot chord 2x8 SP SS Dense
Webs 2x4 SP #1

Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 54 plf at 0.00 to 54 plf at 16.83
BC: From 20 plf at 0.00 to 20 plf at 16.83
BC: 5431 lb Conc. Load at 12.06

Plating Notes
All plates are 1.5X3 except as noted.

Loading
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind
Wind loads based on MWFRS.
End verticals not exposed to wind pressure.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data,including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.

Additional Notes
Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
Truss must be installed as shown with top chord up.

COA #0278
03/06/2019

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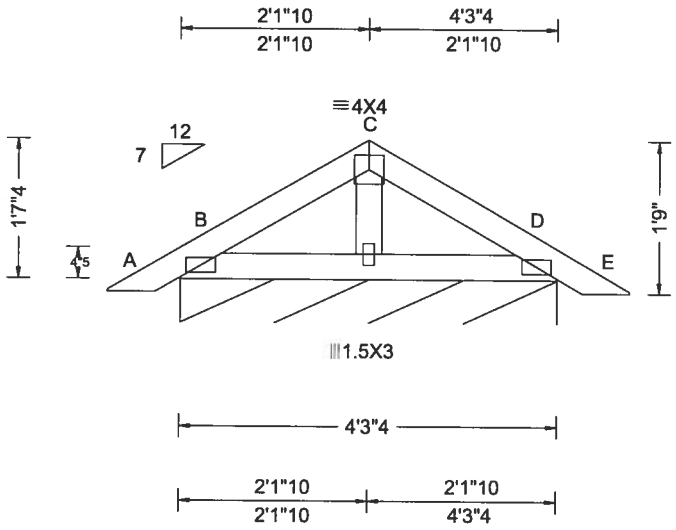
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 882374 GABL FROM: RJL	Ply: 1 Qty: 16	**Job Number:** Z28197 -CASH RESIDENCE America's Home Place **Truss Label:** PB1 6' Common	Cust: R 857 JRef: 1WJ68570002 T6 DrwNo: 065.19.1444.45427 SSB / AHF 03/06/2019	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 0.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 20.91 ft
TCDL: 4.2 psf
BCDL: 5.2 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.001	F	999	360
VERT(CL): 0.001	F	999	240
HORZ(LL): -0.001	F	-	-
HORZ(TL): 0.001	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.044
Max BC CSI: 0.027
Max Web CSI: 0.006

VIEW Ver: 18.02.01A.0205.20

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B*	95	/-	/-	/44	/68	/10

Wind reactions based on MWFRS
B Brg Width = 51.3 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #1

Plating Notes

All plates are 2X4(A1) except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to drawing PB160101014 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

COA #0278

03/06/2019

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ALPINE
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6750 Forum Drive
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Orlando FL, 32821

Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length

2x4 Gable Vertical Spacing	Species	Brace Grade	No Braces	(1) 1x4 "L" Brace *		(1) 2x4 "L" Brace *		(2) 2x4 "L" Brace **		(1) 2x6 "L" Brace *		(2) 2x6 "L" Brace **	
				Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
24" o.c.	SPF HF	#1 / #2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
		#3	4' 1"	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
		Stud	4' 1"	6' 7"	7' 0"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
		Standard	4' 1"	5' 8"	6' 0"	7' 7"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	14' 0"	14' 0"
	SP DFL	#1	4' 6"	7' 4"	7' 8"	8' 8"	9' 0"	10' 4"	10' 9"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
		#3	4' 2"	6' 0"	6' 4"	7' 11"	8' 6"	10' 2"	10' 7"	12' 5"	13' 4"	14' 0"	14' 0"
		Stud	4' 2"	6' 0"	6' 4"	7' 11"	8' 6"	10' 2"	10' 7"	12' 5"	13' 4"	14' 0"	14' 0"
		Standard	4' 0"	5' 3"	5' 7"	7' 0"	7' 6"	9' 6"	10' 2"	11' 0"	11' 10"	14' 0"	14' 0"
16" o.c.	SPF HF	#1 / #2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 8"	8' 1"	8' 8"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 8"	8' 1"	8' 6"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 8"	6' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 1"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	7' 4"	7' 9"	9' 9"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 9"	7' 4"	7' 9"	9' 9"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 8"	6' 5"	6' 10"	8' 7"	9' 2"	11' 7"	12' 1"	13' 6"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF HF	#1 / #2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	11' 8"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 1"	8' 0"	8' 6"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 1"	7' 5"	7' 11"	9' 11"	10' 7"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard

Douglas Fir-Larch	Southern Pine***
#3	#3
Stud	Stud
Standard	Standard

Group B:

Hem-Fir	Douglas Fir-Larch	Southern Pine***
#1 & Btr	#1	#1
#1	#2	#2

1x4 Braces shall be SRB (Stress-Rated Board).
***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails.
* For (1) "L" braces space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.
** For (2) "L" braces space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

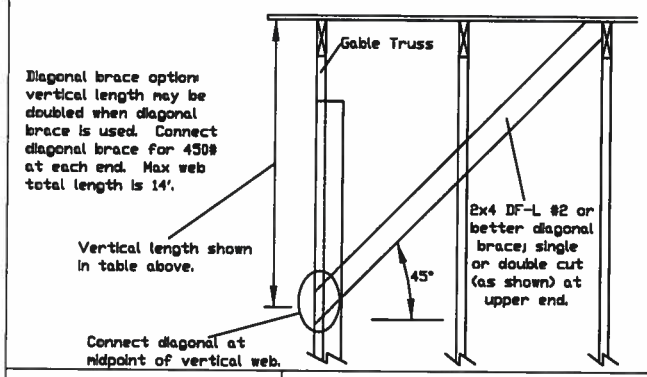
"L" bracing must be a minimum of 80% of web member length.

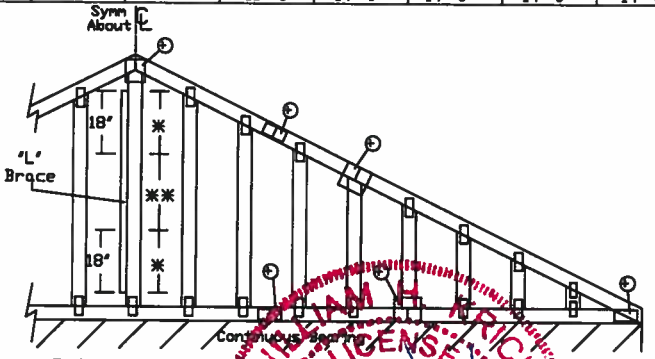
Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.





Refer to chart above for max gable vertical length.

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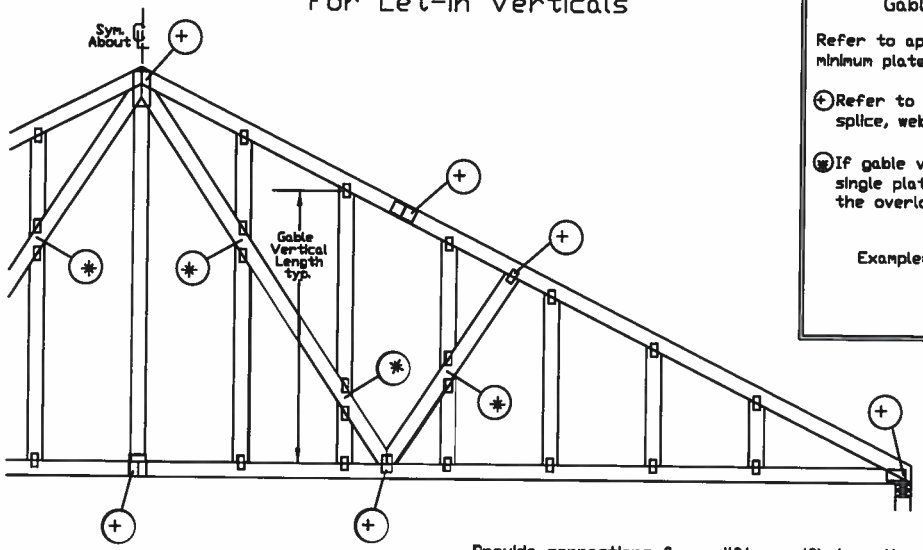
WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
COA #0278 03/06/2019

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-10-GAB14015
DATE	10/01/14
DRWG	A14015ENC101014

Gable Detail
For Let-In Verticals



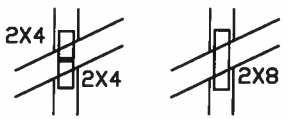
Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

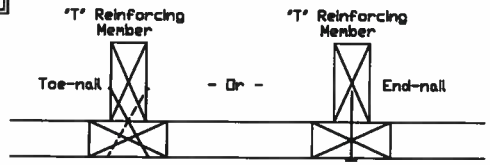
(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

(*) If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



"T" Reinforcement Attachment Detail



Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:
10d Common (0.148"x 3",min) Nails at 4" o.c. plus
(4) nails in the top and bottom chords.

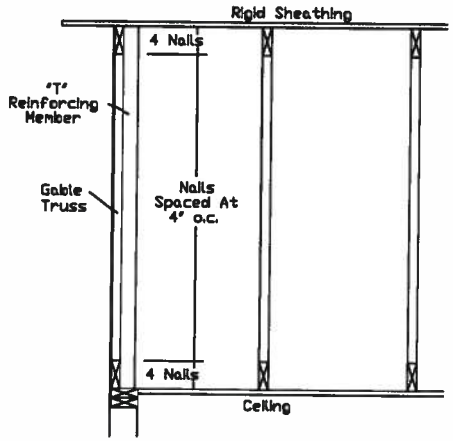
Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus
(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings
A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings
A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

See appropriate Alpine gable detail for maximum "T" reinforced gable vertical length.



To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate Alpine gable detail).

Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"T" reinforcing member material must match size, specie, and grade of the "L" reinforcing member.

Web Length Increase w/ "T" Brace

"T" Reinf. Mbr. Size	"T" Increase
2x4	30 %
2x6	20 %

Example:
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24"o.c. SP #3
"T" Reinforcing Member Size = 2x4
"T" Brace Increase (From Above) = 30% = 1.30
(1) 2x4 "L" Brace Length = 8' 7"
Maximum "T" Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"

ALPINE
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13723 Riverport Drive
Suite 200
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WILLIAM F. POLK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2019
COA #0278

MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0"

REF LET-IN VERT
DATE 01/02/2018
DRWG GBLLETIN0118

Cracked or Broken Member Repair Detail

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

(B) = Damaged area, 12" max length of damaged section
(L) = Minimum nailing distance on each side of damaged area (B)
(S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face. Minimum side member length(s) = (2)(L) + (B)

Scab member length (S) must be within the broken panel.

Nail into 2x4 members using two (2) rows at 4" o.c., rows staggered.
Nail into 2x6 members using three (3) rows at 4" o.c., rows staggered.

Nail using 10d box or gun nails (0.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650f.

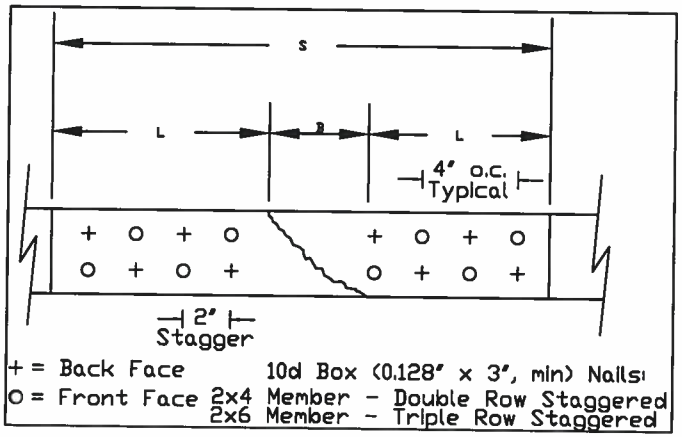
This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

Broken chord may not support any tie-in loads.

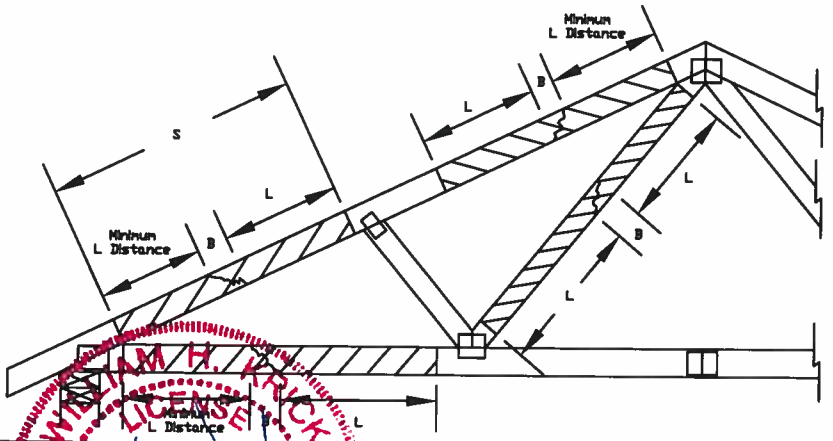
Load Duration = 0%
Member forces may be increased for Duration of Load

Member	Size	L	Maximum Member Axial Force SPF-C	HF	DF-L	SYP
Web Only	2x4	12"	620#	635#	730#	800#
Web Only	2x4	18"	975#	1055#	1295#	1415#
Web or Chord	2x4	24"	975#	1055#	1495#	1745#
Web or Chord	2x6		1465#	1585#	2245#	2620#
Web or Chord	2x4	30"	1910#	1960#	2315#	2555#
Web or Chord	2x6		2230#	2365#	3125#	3575#
Web or Chord	2x4	36"	2470#	2530#	2930#	3210#
Web or Chord	2x6		3535#	3635#	4295#	4745#
Web or Chord	2x4	42"	2975#	3045#	3505#	3835#
Web or Chord	2x6		4395#	4500#	5225#	5725#
Web or Chord	2x4	48"	3460#	3540#	4070#	4445#
Web or Chord	2x6		5165#	5280#	6095#	6660#



+ = Back Face 10d Box (0.128" x 3", min) Nails:
O = Front Face 2x4 Member - Double Row Staggered
2x6 Member - Triple Row Staggered

Nail Spacing Detail



WILLIAM H. KRICK
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AN ITW COMPANY

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Maryland Heights, MO 63043

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinebw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

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REF	MEMBER REPAIR
DATE	10/01/14
DRWG	REPCHRD1014
	03/06/2019
SPACING	24.0" MAX

Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Or: 100 mph wind speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length

2x4 Gable Vertical Spacing	Species	Brace Grade	No Braces	(1) 1x4 'L' Brace ※ Group A	(1) 1x4 'L' Brace ※ Group B	(1) 2x4 'L' Brace ※ Group A	(1) 2x4 'L' Brace ※ Group B	(2) 2x4 'L' Brace ※※ Group A	(2) 2x4 'L' Brace ※※ Group B	(1) 2x6 'L' Brace ※ Group A	(1) 2x6 'L' Brace ※ Group B	(2) 2x6 'L' Brace ※※ Group A	(2) 2x6 'L' Brace ※※ Group B
24" o.c.	SPF HF	#1 / #2	4' 1"	6' 11"	7' 2"	8' 2"	8' 6"	9' 9"	10' 2"	12' 10"	13' 4"	14' 0"	14' 0"
		#3	3' 10"	6' 2"	6' 7"	8' 1"	8' 5"	9' 8"	10' 0"	12' 8"	13' 2"	14' 0"	14' 0"
		Stud	3' 10"	6' 2"	6' 6"	8' 1"	8' 5"	9' 8"	10' 0"	12' 8"	13' 2"	14' 0"	14' 0"
		Standard	3' 10"	5' 3"	5' 7"	7' 0"	7' 6"	9' 6"	10' 0"	11' 0"	11' 10"	14' 0"	14' 0"
	SP DFL	#1	4' 2"	7' 0"	7' 3"	8' 3"	8' 7"	9' 10"	10' 3"	13' 0"	13' 6"	14' 0"	14' 0"
		#2	4' 1"	6' 11"	7' 2"	8' 2"	8' 6"	9' 9"	10' 2"	12' 10"	13' 4"	14' 0"	14' 0"
		#3	4' 0"	5' 7"	5' 11"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"	14' 0"
		Stud	4' 0"	5' 7"	5' 11"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"	14' 0"
		Standard	3' 9"	4' 11"	5' 13"	6' 6"	7' 0"	8' 10"	9' 6"	10' 3"	11' 0"	13' 11"	14' 0"
16" o.c.	SPF HF	#1 / #2	4' 8"	7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 5"	7' 6"	8' 3"	9' 3"	9' 7"	11' 0"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 5"	7' 6"	8' 0"	9' 3"	9' 7"	11' 0"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 5"	6' 5"	6' 10"	8' 7"	9' 2"	11' 0"	11' 6"	13' 6"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	4' 10"	8' 0"	8' 4"	9' 6"	9' 10"	11' 3"	11' 9"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 8"	7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 7"	6' 10"	7' 3"	9' 1"	9' 8"	11' 1"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 7"	6' 10"	7' 3"	9' 1"	9' 8"	11' 1"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 5"	6' 0"	6' 5"	8' 0"	8' 7"	10' 10"	11' 6"	12' 7"	13' 15"	14' 0"	14' 0"
12" o.c.	SPF HF	#1 / #2	5' 2"	8' 9"	9' 1"	10' 4"	10' 9"	11' 2"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 10"	8' 7"	8' 11"	10' 2"	10' 7"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 10"	8' 7"	8' 11"	10' 2"	10' 7"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 10"	7' 5"	7' 11"	9' 11"	10' 7"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 4"	8' 10"	9' 2"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 2"	8' 9"	9' 1"	10' 4"	10' 9"	12' 3"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 0"	7' 10"	8' 4"	10' 3"	10' 8"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 0"	7' 10"	8' 4"	10' 3"	10' 8"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 10"	6' 11"	7' 4"	9' 3"	9' 10"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir	
#1 / #2	Standard
#3	Stud

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine※※※
#3
Stud
Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine※※※
#1
#2

1x4 Braces shall be SRB (Stress-Rated Board).
※※※For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 100 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach 'L' braces with 10d (0.128"x3.0" min) nails.
※ For (1) 'L' brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.
※※For (2) 'L' braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

'L' bracing must be a minimum of 80% of web member length.

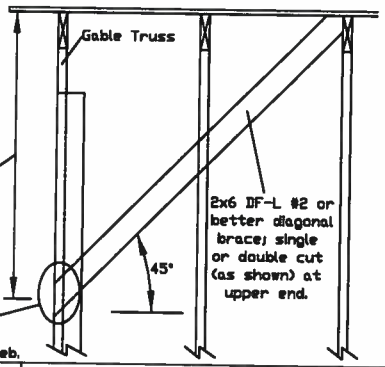
Gable Vertical Plate Sizes

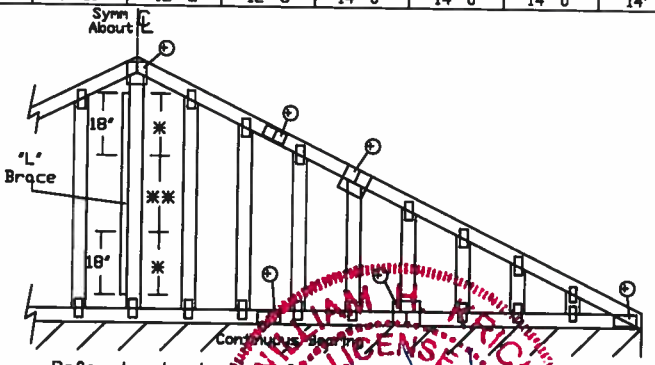
Vertical Length	No Splice
Less than 4' 0"	2X4
Greater than 4' 0", but less than 11' 6"	3X4
Greater than 11' 6"	4X4

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 525# at each end. Max web total length is 14'.





Refer to chart above for max gable vertical length.

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※※※WARNING※※※ READ AND FOLLOW ALL NOTES ON THIS DRAWING!
※※※IMPORTANT※※※ FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinebc.com/ TPI: www.tpinst.org/ SBCA: www.sbcindustry.org/ ICC: www.iccsafe.org

COMMENTS	03/06/2019
MAX. TOT. LD. 60 PSF	
MAX. SPACING 24.0"	
REF	ASCE7-10-GAB14030
DATE	10/01/14
DRWG	A14030ENC101014